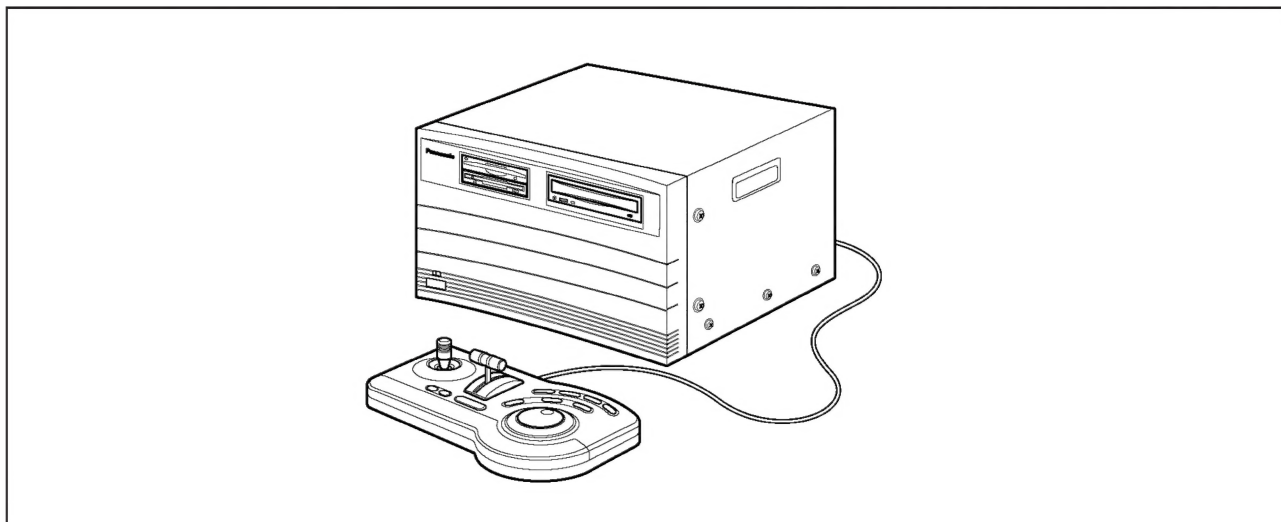


# Service Manual

Nonlinear Workstation Main Kit

AY-NE2000E



## SPECIFICATIONS

### Video

#### Video Input

##### [Analogue]

Input Connectors:

2 sources (selectable from Composite, Y/C, Y/P<sub>B</sub>/P<sub>R</sub>)

Composite:

1.0 V[p-p]/75 Ω (BNC)

Y/C:

Y: 1.0 V[p-p]/75 Ω

C: 0.3 V[p-p]/75 Ω (Y/C terminal)

Component:

Y: 1.0 V[p-p]/75 Ω (BNC)

P<sub>B</sub>/P<sub>R</sub>: 0.525 V[p-p] or 0.7 V[p-p]/75 Ω (BNC) (75% Colour Bar)

##### [SDI (Option)]

SMPTE259M 75 Ω (BNC) with active loop-through

#### Video Output

##### [Analogue]

Output Connector:

2 outputs (simultaneously from Composite, Y/C, Y/P<sub>B</sub>/P<sub>R</sub>)

Composite:

1.0 V[p-p]/75 Ω

Y/C:

Y: 1.0 V[p-p]/75 Ω

C: 0.3 V[p-p]/75 Ω (Y/C terminal)

Component:

Y: 1.0 V[p-p]/75 Ω (BNC)

P<sub>B</sub>/P<sub>R</sub>: 0.525 V[p-p] or 0.7 V[p-p]/75 Ω (BNC) (75% Colour Bar)

##### [SDI (Option)]

SMPTE259M 75 Ω (BNC)

#### Synchronization

Gen-Lock Input:

1.0 V[p-p]/75 Ω (BNC), with loop-through output (x1)

ADV.REF output:

Sync: 0.3 V[p-p]/75 Ω

Burst: 0.3 V[p-p]/75 Ω

# Panasonic

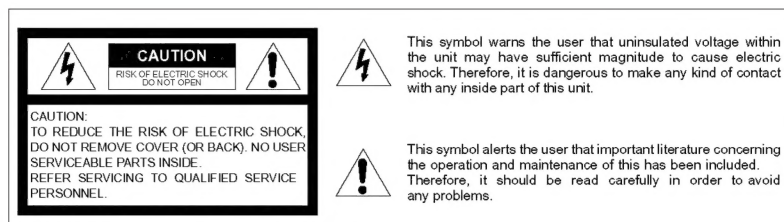
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## **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public.

It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.

Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.



## **IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are important for safety. These parts are indicated by the "△" mark on the schematic diagram and the replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-radiation, shock, fire, or other hazards. Do not modify the original design without permission of manufacture.

## **Audio Input**

### **[Analogue]**

Selectable from 4 sources

Source 1/2:

+4dBu, 0dBu, -20dBu selectable, Hi-Z balanced (3-pin XLR connector)

Source 3/4:

-6dBs, 20 kΩ, unbalanced (RCA pin jack)

### **[AES/EBU (Option)]**

SMPTE279M 75 Ω (BNC)

## **Audio Output**

### **[Analogue]**

4 outputs (simultaneous)

Ch. 1/2:

+4dBu, 0dBu, -20dBu selectable, 47 Ω balanced (3-pin XLR connector)

Ch. 3/4:

-6dBs, 75 Ω, unbalanced (RCA pin jack)

### **[AES/EBU (Option)]**

SMPTE279M 75 Ω (BNC)

## **Other Inputs/Outputs**

LTC time code Input:

x1 (BNC)

LTC time code output:

x1 (BNC)

SCSI connector:

x4 (Audio, Video 1, Video 2, Video 3, SCSI-2 standard, 68-pin half pitch connector, pin type)

VTR control connector :

RS-422, 9 pin x2 (D-sub)

Jog Pad connector:

9 pin x1 (D-sub)

## **PC**

CPU :

Pentium Processor, MMX 200 MHz

OS :

Windows 95

Main Memory :

32 MB DIMM 168-pin SDRAM

Built-in Hard Disk Drive :

3.2 GB (E-IDE) x1

Floppy Disk Drive :

1.44MB x1

ZIP Drive :

100MB x1

CD-ROM Drive :

x32 Speed

Card Slot :

PCI x3 (supplied by Panasonic only)

SVGA connector :	15 pinx1 (D-Shell, female), 1024 x 768 dots, 256 colours, Scanning: 48 kHz (horizontal), 60 Hz (vertical)
Parallel connector :	25 pin x1 (D-Shell, female)
Serial connector :	9 pin x2 (D-Shell, male)
Mouse :	6 pin x1 (Mini-Din, female)
Keyboard :	6 pin x1 (Mini-Din, female)

### Video Performance

S/N Ratio * :	55 dB (Y/P <sub>B</sub> /P <sub>R</sub> ), 53 dB (Y/C), 50 dB (Composite)
DG, DP * :	5%, 3°
Frequency Response * :	4.5 MHz, +0dB, -3dB (Y/C, Y/P <sub>B</sub> /P <sub>R</sub> )
Sampling Frequency :	13.5 MHz, 4:2:2, 8 bit component
Y/C Separation :	3 lines, digital logical comb filter
SC-H :	±30°
Compression :	MOTION JPEG
Compression Quality :	Q3, Q6, Q8, Q11, Q23
Recording Time :	Approx. 3 min/GB (Q3) Approx. 6 min/GB (Q6) Approx. 7 min/GB (Q8) Approx. 10 min/GB (Q11) Approx. 15 min/GB (Q23)

### Title Graphics

Resolution :	640 x 480 dots Y, U, V, α, 8 bit component each
Font :	True type

### Audio Performance

S/N Ratio :	More than 67 dB (1 kHz, XLR OUT)
Dynamic Range :	More than 85 dB
Total Harmonic Distortion :	0.05% (1 kHz)
Frequency Response :	20 kHz, +0, -3 dB, 20 Hz, +0, -3 dB
Sampling Frequency :	48 kHz, 16 bit
Mixing :	Stereo 4 channels
Effector :	EQ, Reverberation
Recording Time :	Approx. 86 min/GB

### Others

EDL Output :	CMX3600, CMX340, GVG, BVE9000, AU-A950 Format
Graphic Conversion :	TIFF, JPEG, TARGA, BMP, WMF, PCT

### General

Power Supply :	220 ~ 240V AC, 50 Hz
Power Consumption :	135W (with optional Video Board)
Ambient Operating Temperature :	0°C ~ 35°C (32°F ~ 95°F)
Ambient Operating Humidity :	10% ~ 90%
Weight :	Main unit: 27.0 kg (59.5 lbs) Jog pad: 1.2 kg (2.6 lbs)
Dimensions :	
Main unit (W x H x D) :	420 x 319 x 461 mm
Jog pad (W x H x D) :	340 x 45 x 193 mm

Weight and dimensions indicated above are approximate.  
Specifications are subject to change without notice.  
This product might be subject, to export control regulations.

\* : Without Compression

## Nonlinear Editing System Digital I/F Board AY-PB2002E

### Video

Input Signal:	Comply with the SMPTE259M standards, BNC x 1 (with active loop-through)
Output Signal:	Comply with the SMPTE259M standards, BNC x 1

### Audio

Input Signal:	Comply with the AES/EBU standards, BNC x 1
Output Signal:	Comply with the AES/EBU standards, BNC x 1

### General

Power Supply:	5V DC, 12V, -12V
Ambient Operating Temperature:	5°C to 35°C
Ambient Operating Humidity:	10% to 90%
Dimensions (W x H x D):	236 x 35.5 x 67 mm
Weight:	Approx. 340 g

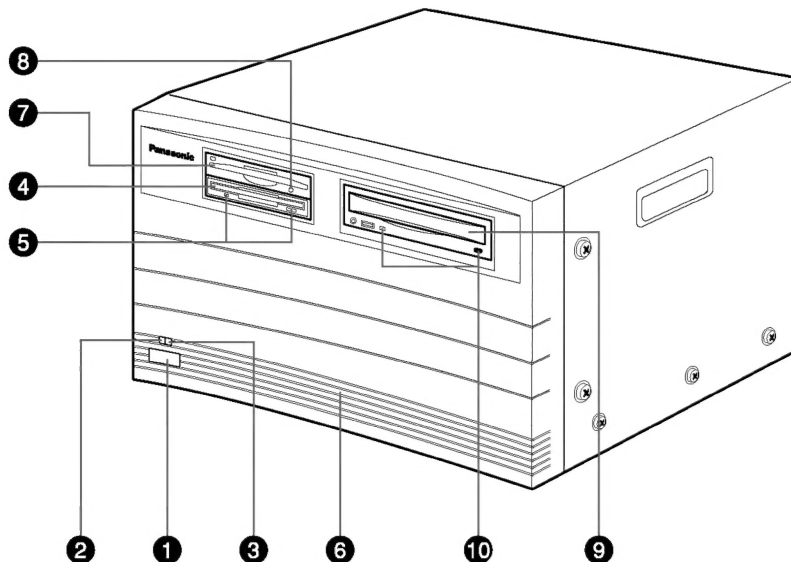


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# MAJOR OPERATING CONTROLS AND THEIR FUNCTION

## ■ FRONT PANEL



### 1. Power On/Off Switch

Turns the power of this unit on and off.

#### Notes:

1. Be sure to turn on the power of this unit after turning on the Hard Disk Box.
2. Do not turn off the power of this unit while the Nonlinear AV Workstation System software is running.

### 2. Power Indicator (RED)

Lights by turning on the power.

### 3. HDD Indicator (GREEN)

Lights up while the HDD operates.

### 4. 3.5" Floppy Disk Drive

### 5. Floppy Disk Indicator/Eject Button

Indicator .....Lights during an access of the floppy disk.  
Eject button ..Ejects the Floppy Disk.

### 6. Front Panel

**Caution:** Do not interrupt the Vent Hole on this panel.

### 7. ZIP Drive

### 8. ZIP Indicator/Eject Button

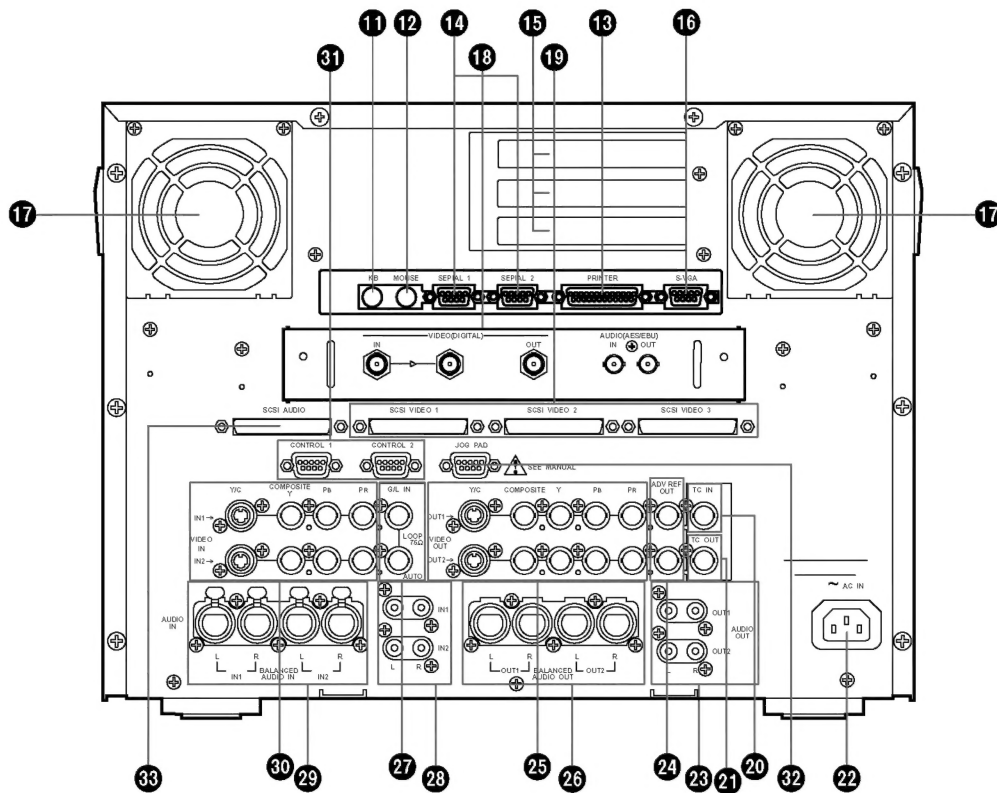
Lights during an access of the ZIP.  
Ejects the ZIP.

### 9. CD-ROM Drive

### 10. CD-ROM Indicator/Eject Button

Indicator .....Lights during an access of the CD-ROM.  
Eject button ..Ejects the CD-ROM.

## ■ REAR PANEL



### 11. KEYBOARD Connector (KB)

Connects with the keyboard (locally purchase).  
If the cable is too short to connect, use the Key Board Extension Cable (accessory).

### 12. MOUSE Connector (MOUSE)

Connects with the Mouse (locally purchase).  
When the cable is too short to connect, use the Mouse Extension Cable (accessory).

### 13. PRINTER Connector (PRINTER)

Connects with the printer.

### 14. SERIAL1/2 Connectors (SERIAL 1/SERIAL 2)

Connects with equipment having RS-232C Interface Connectors.

### 15. PCI Slots

Refer to qualified service personnel.

### 16. S-VGA Connector (S-VGA)

Connects with the computer display.  
The applicable display parameters are shown below.  
Resolution: 1024 x 768  
Horizontal Scanning Frequency: 48 kHz  
Vertical Scanning Frequency: 60 Hz

### 17. Fan

Supplies steady forced air through intake and filter.

Operating Time	Operating Life
8-hour everyday use	6-year
12-hour everyday use	4-year
24-hour everyday use	2-year

**Note:** After extensive use the fans need to be replaced periodically.

### 18. SDI Board Slots

**19. SCSI VIDEO Connectors (SCSI VIDEO 1-3)**

Connects with the SCSI Video Connector of the Hard Disk Box AY-EB2000 or WJ-EB1000 via the optional SCSI Cable AY-CA68SR3 for AY-EB2000 or AY-CA50SR3 for WJ-EB1000.

**20. TC (Time Code) IN Connector (TC IN)**

Connects with a VTR having LTC time code signal output connector to improve editing accuracy.

**21. TC (Time Code) OUT Connector (TC OUT)**

Connects with a VTR having LTC time code signal input connector.  
The signal supplied from this connector is not looped through.

**22. AC Inlet**

Connect the AC Power Cord (provided).

**23. AUDIO OUT 1/2 Jacks  
(AUDIO OUT OUT1, OUT2 L/R)**

Supply the audio signals.

**24. ADV-REF OUT Connector (ADV-REF OUT)**

Supplies the Advance Reference Signal to the VTR having the time base corrector inside (or AUX video source).

**25. Video Output Connectors  
(VIDEO OUT1/OUT2 Y/C, COMPOSITE, Y, P<sub>B</sub>, P<sub>R</sub>)**

Supplies the video signal to the monitor or VTR.

**26. AUDIO OUT 1/2 Connectors  
(BALANCED AUDIO OUT, OUT1/OUT2)**

Supply the audio signals.

**27. G/L IN / AUTO Connectors (G/L, IN/AUTO)**

The gen-lock signal is supplied to these connectors (Be sure to terminate the video signal output from these connectors).

By connecting with the G/L AUTO Connector, the video signal is automatically unterminated.

**Caution:**

If a gen-lock signal is supplied to the G/L connector during playback or recording, it may cause the video to roll or cause other system malfunction.  
Stop the playback or recording, then make a connection to the G/L connector again.

**28. AUDIO IN 1/2 Jacks (IN1, IN2 L/R) (Unbalanced)**

Accepts the audio signal.

The audio signal supplied to these jacks can be saved in the Hard Disk Box.

When the audio signal is supplied to the L side only, a monaural audio signal is made.

**29. AUDIO IN 1/2 Connectors  
(BALANCED AUDIO IN IN1 L/R, IN2 L/R)**

Accepts the audio signal.

The audio signal supplied to these connectors can be saved in the Hard Disk Box.

**30. Video 1/2 Input Connectors  
(VIDEO IN1/IN2 Y/C, COMPOSITE, Y, P<sub>B</sub>, P<sub>R</sub>)**

Accepts the video signals to be saved in the Hard Disk Box.

Select the connector, either Composite, Y/C or Component, according to the type of video signal.

The selection of either Video 1/Video 2 is available on the PC monitor screen.

**31. CONTROL 1/2 Connectors  
(CONTROL 1/CONTROL 2) (9-pin)**

Supplies the control signal (for the recording or play back mode) to equipment having an RS-422 Interface Connector.

Be sure to supply the video signal of the VTR connected with CONTROL 1 to VIDEO IN 1, and likewise with the VTR connected to CONTROL 2.

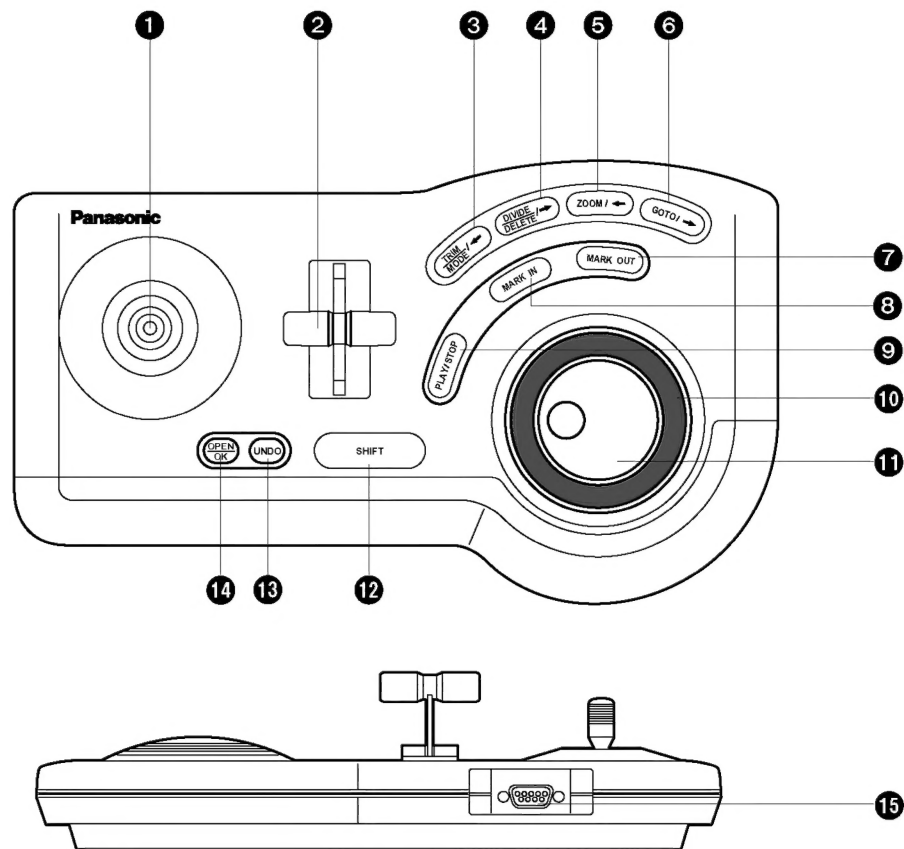
**32. JOGPAD Connector (JOGPAD)**

Connects with the Jogpad (provided).

**33. SCSI AUDIO Connector (SCSI AUDIO)**

Supplies the audio signal to the SCSI Audio Connector of the optional Hard Disk Box via the optional SCSI Cable AY-CA68SR3 for AY-EB2000 or AY-CA50SR3 for WJ-EB1000.

## ■ JOG PAD



### 1. Positioner

Moves the selection cursor (when selection is confirmed).

### 2. Wipe Lever

Controls Wipe, Key Size, and Audio Level.

### 3. TRIM / ← MODE

Switches edit modes (Insert - Replace - Cover)  
(SHIFT + TRIM/MODE)  
Turns Trim mode On/Off. (during transition)

### 4. DIVIDE / → DELETE

Deletes a clip.  
(SHIFT + DIVIDE / DELETE)  
Divides a clip.

### 5. ZOOM / ←

Zooms in the time line.  
(SHIFT + ZOOM)  
Zooms out the time line.

### 6. GOTO / →

Jumps to the starting or editing mark.  
(SHIFT + GOTO)  
Jumps to the beginning or end of a sequence.

### 7. MARK OUT

Sets or cancels the ending mark.  
(SHIFT + MARK OUT)  
Selects the grip of the OUT point.



**8. MARK IN**

Sets or cancels the starting mark.

(SHIFT + MARK IN)

Selects the grip of the IN point.

**9. PLAY/STOP**

Plays back or stops.

(SHIFT + PLAY /STOP)

Plays back between the starting and ending marks.

**10. Shuttle Ring**

Plays back video and audio forward (clockwise) or in reverse (counterclockwise) with variable speed.

**11. Jog Dial**

Plays back video and audio forward (clockwise) or in reverse (counterclockwise) frame by frame.

**12. SHIFT**

Switches button functions.

**13. UNDO**

Cancels the immediately previous operation.

**14. OPEN**

**OK**

Opens the selected panel or selects a panel and closes the previous panel.

**15. Jog Pad Connector**

Connects with the Main Unit by using the Jog Pad Cable (accessory).



# ADJUSTMENT PROCEDURE

## 1. Test Equipment Required

- The following test Equipments are required for adjustment of the Nonlinear AV Workstation Main Kit AY-NE2000E.
- Oscilloscope
- Frequency Counter
- Digital Voltmeter
- Waveform Monitor
- Vectorscope (with SC-H Function)
- Underscanned Colour Video Monitor
- Test Signal Generator (Colour Bar signal, Ramp signal and etc.)
- Extension Board (YWVOEA0356AN) for AY-NE2000E

## 2. Disassembling Procedure for Adjustment

### ■ AY-NE2000E

Referring to Fig. 2-1, remove four screws that secure the Front Panel and remove the Front Panel.

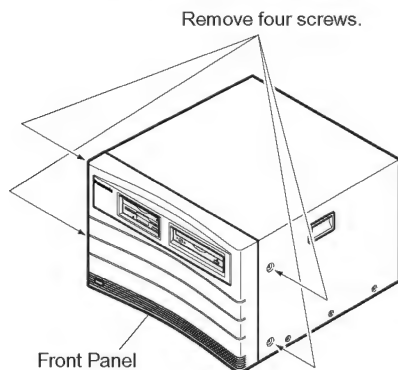


Fig. 2-1

- Referring to Fig.2-2, remove five screws fixing the Front Chassis and remove the Front Chassis.

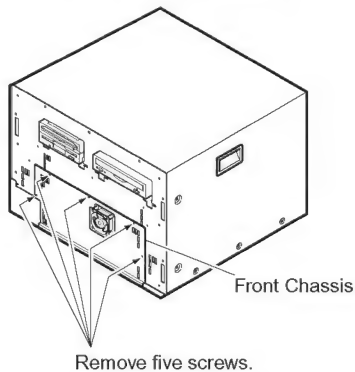


Fig. 2-2

### ■ Jog Pad

- Referring to Fig. 2-3, remove five screws that secure the Bottom Cover and remove the Bottom Cover.

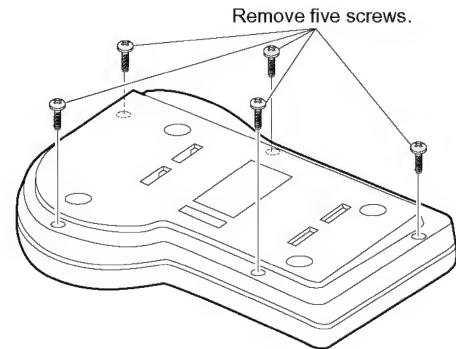


Fig. 2-3

## 3. Connection for Adjustment

- The Fig. 3-1 shows the connection diagram for the adjustment procedure.

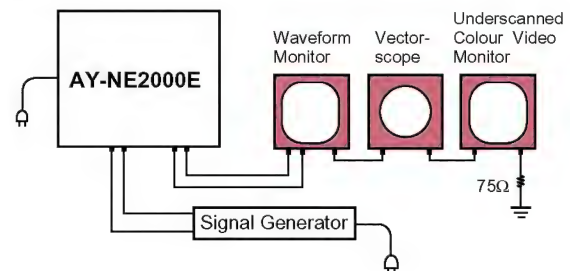


Fig. 3-1

- Connect the Underscanned Color Video Monitor through the Waveform Monitor and Vectorscope to either Y/C Video Output Connector or Composite Video Output Connector on the Rear Panel of the AY-NE2000E.
- Terminate the input terminal of the Underscanned Colour Video Monitor with 75 Ω.
- Connect the probe of the Digital Voltmeter, Oscilloscope or Frequency Counter at the desired Test Point in each adjustment step.
- The adjustment should be done after 10 minutes warm-up.

## 4. Adjustment Procedure

- Refer to the Location of the Test Points and Adjusting Controls on page 14.

### ■ Power Board

#### (1). Power Good Signal Adjustment

<b>Test Point:</b>	<b>Pin 2 of CN3 (5V)</b>	<b>Power Board</b>
	<b>Pin 1 of CN3 (P-GOOD)</b>	<b>Power Board</b>
<b>Adjust:</b>	<b>VR1 (4.85V)</b>	<b>Power Board</b>
	<b>VR3 (P-GOOD)</b>	<b>Power Board</b>

- Connect the Digital Voltmeter to the pin 2 of CN3.
- Adjust VR1 to obtain  $4.85 \pm 0.5$  V DC.
- Change the connection of the Digital Voltmeter to the pin 1 of CN3.
- Adjust VR3 so that the Power Good Signal level just changes from Low level to High level.
- Confirm that the changing point should be between 4.8V DC and 4.9V DC by adjusting of VR1.

#### (2). 5V Adjustment

<b>Test Point:</b>	<b>L202 (5V)</b>	<b>Mixer Board</b>
<b>Adjust:</b>	<b>VR1 (5V)</b>	<b>Power Board</b>

- Connect the Digital Voltmeter to L202 on the Mixer Board.
- Adjust VR1 to obtain  $5.05 \pm 0.02$  V DC.

#### (3). 12V Adjustment

<b>Test Point:</b>	<b>TP3 (12V)</b>	<b>Mixer Board</b>
<b>Adjust:</b>	<b>VR2 (12V)</b>	<b>Power Board</b>

- Connect the Digital Voltmeter to TP3 on the Mixer Board.
- Adjust VR2 to obtain  $12 \pm 0.05$  V DC.

### ■ Mixer Board

#### (4). Subcarrier Frequency Adjustment

<b>Test Point:</b>	<b>TP6 (FSC)</b>	<b>Mixer Board</b>
<b>Adjust:</b>	<b>VR202 (FSC)</b>	<b>Mixer Board</b>

- Connect the Frequency Counter to TP6.
- Adjust VR202 to obtain  $17.734525$  MHz  $\pm 5$  Hz.

#### (5). Ach VCO Adjustment

<b>Test Point:</b>	<b>Land between R997 and L742 (Ach VCO)</b>	<b>Mixer Board</b>
<b>Adjust:</b>	<b>L742 (Ach VCO)</b>	<b>Mixer Board</b>

- Executes the Manual Digitizer and set the Record mode.
- Select the CH1-Y/C Input by the Device setting, and supply the Colour Bar signal to the Y/C Video Input Connector of CH1.

- Connect the Digital Voltmeter to the land between R997 and L742.
- Adjust L742 to obtain  $2.1 \pm 0.1$  V DC.

#### (6). Bch VCO Adjustment

**Test Point:** Land between R98 and L743 (Bch VCO)

<b>Adjust:</b>	<b>L743 (Bch VCO)</b>	<b>Mixer Board</b>
----------------	-----------------------	--------------------

- Set the SW1 and SW2 on the Pattern Side of the Mixer Board are as shown in Fig. 3-1.

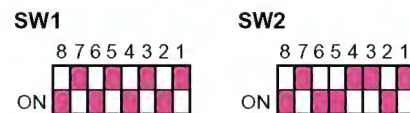


Fig. 3-1

- Executes the Manual Digitizer and set the Record mode.
- Select the CH1-Y/C Input by the Device setting, and supply the Colour Bar signal to the Y/C Video Input Connector of CH1.
- Connect the Digital Voltmeter to the land between R98 and L743.
- Adjust L743 to obtain  $2.1 \pm 0.1$  V DC.
- After completion of adjustment, set the SW1 and SW2 as shown in Fig. 3-2.

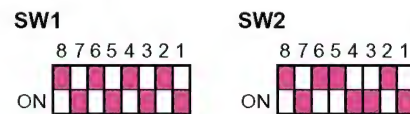


Fig. 3-2

- Before start to next steps, executes the Sequence Editor, then plays the Still Image of the Colour Bar (Setup = 0) by drag & drop the Colour Bar Icon to the Sequence Editor.

#### (7). Output Y Gain Adjustment

<b>Test Point:</b>	<b>Video Out Y Connector</b>	<b>Rear Panel</b>
<b>Adjust:</b>	<b>R439 (Y GAIN)</b>	<b>Mixer Board</b>

- Connect the Waveform Monitor to the Video Out Y Connector.
- Adjust R439 so that the Y Level of the Y Reference signal becomes  $700 \pm 7$  mV as shown in Fig. 3-3.

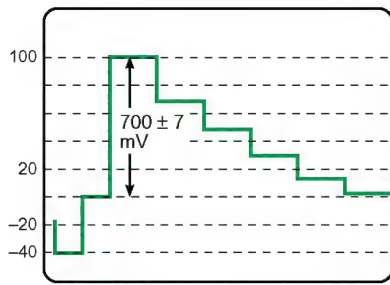


Fig. 3-3

#### (8). Output PB Gain Adjustment

**Test Point:** Video Out PB Connector **Rear Panel**  
**Adjust:** R442 (PB GAIN) **Mixer Board**

- Set the Video Out to MII Component by the Device Setting.
- Connect the terminated Oscilloscope with  $75\Omega$  to the Video Out PB Connector.
- Adjust VR442 so that the PB signal level of the build-in Colour Bar signal (Setup = 0) becomes 525 mV as shown in Fig. 3-4.

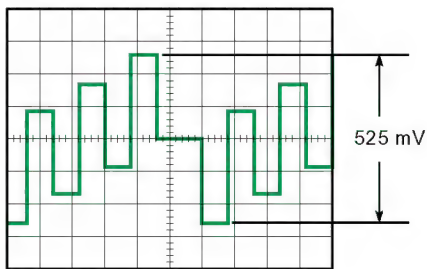


Fig. 3-4

**Note:** When using the  $\beta$  Component for the adjustment, adjust it to 756 mV ( $106 \pm 1$  IRE).

#### (9). Output PR Gain Adjustment

**Test Point:** Video Out PR Connector **Rear Panel**  
**Adjust:** R443 (PR GAIN) **Mixer Board**

- Set the Video Out to MII Component by the Device Setting.
- Connect the terminated Oscilloscope with  $75\Omega$  to the Video Out PR Connector.
- Adjust R443 so that the PR signal level (p-p) of the build-in Colour Bar signal (Setup = 0) becomes 525 mV as shown in Fig. 3-5.

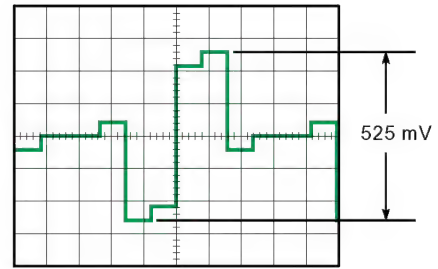


Fig. 3-5

**Note:** When using the  $\beta$  Component for the adjustment, adjust it to 756 mV ( $106 \pm 1$  IRE).

#### (10). Output C Gain Adjustment

**Test Point:** Video Out Y/C Connector **Rear Panel**  
**Adjust:** R441 (C GAIN) **Mixer Board**

- Connect the Vectorscope to the Video Out Y/C Connector.
- Adjust VR441 so that the Chrominance Gain and Phase are adjusted to proper position ( $\pm 3\%$ ,  $3\%$ ) as shown in Fig. 3-6.

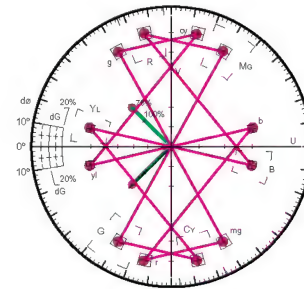


Fig. 3-6

#### (11). Composite Y Gain Adjustment

**Test Point:** Video Out Composite Connector

**Adjust:** R440 (COMP Y) **Rear Panel**  
**Mixer Board**

- Connect the Waveform Monitor to the Video Out Composite Connector.
- Adjust VR440 so that the Y signal level becomes  $700 \pm 7$  mV as shown in Fig. 3-7.

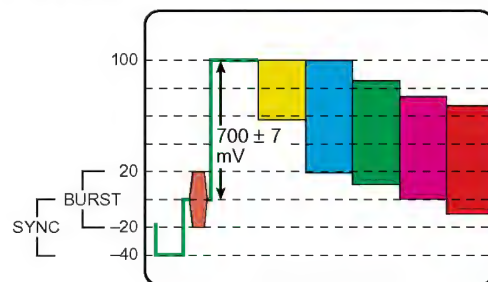


Fig. 3-7

## (12). Output C Gain Adjustment

**Test Point:** Video Out Composite Connector

**Adjust:** R444 (COMP C) Rear Panel  
Mixer Board

- Connect the Vectorscope to the Video Out Y/C Connector.
- Adjust R444 so that the Chrominance Gain and Phase are adjusted to proper position ( $\pm 3\%$ ,  $3^\circ$ ) as shown in Fig. 3-8.

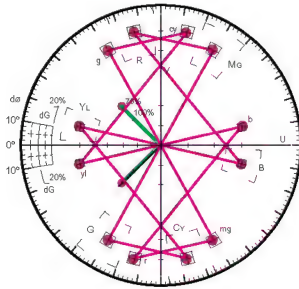


Fig. 3-8

## (13). Output SC-H Adjustment

**Test Point:** Video Out Composite Connector

**Adjust:** R445 (SC-H) Rear Panel  
Mixer Board

- Connect the Vectorscope to the Video Out Y/C Connector.
- Adjust R445 so that the SC-H Phase becomes  $0 \pm 5^\circ$ .

## (14). ADV. REF. SC-H Adjustment

**Test Point:** ADV. REF. Out Connector Rear Panel  
**Adjust:** R446 (ADV.REF.) Mixer Board

- Connect the Vectorscope to the ADV. REF. Output Connector.
- Adjust R446 so that the SC-H Phase becomes  $0 \pm 5^\circ$ .

## (15). Gen/Lock Colour Phase Adjustment

**Test Point:** Video Out Composite Connector

**Adjust:** R438 (C-PHASE) Rear Panel  
Mixer Board

- Supply the Video signal to the Gen/Lock Input Connector.
- Adjust the Colour Phase roughly  $0^\circ$  by Switch SW201.
- Adjust R438 so that the Colour Phase becomes  $0 \pm 10^\circ$ .

## (16). Gen/Lock Horizontal Phase Adjustment

**Test Point:** Video Out Composite Connector

**Adjust:** R436 (H-PHASE) Rear Panel  
Mixer Board

- Supply the Video signal to the Gen/Lock Input Connector.
- Adjust the Horizontal Phase roughly  $0^\circ$  by Switch SW203.
- Adjust the Horizontal Phase  $0^\circ$  by Switch SW202.

- Adjust R436 so that the Horizontal Phase becomes  $0 \pm 70^\circ$  nS.

## ■ Input Board

■ Before start to adjust the Input Board, executes the executes Manual Digitizer, set the Record mode.

## (17). FVCXO1 Frequency Adjustment

**Test Point:** TP202 (FVCXO1) Input Board  
**Adjust:** C601 (FVCXO1) Input Board

- Disconnect all input from the AY-NE2000E.
- Connect the Frequency Counter to TP202.
- Adjust C601 to obtain  $4.433624 \text{ MHz} \pm 5 \text{ Hz}$ .

## (18). FVCXO2 Frequency Adjustment

**Test Point:** TP206 (FVCXO2) Input Board  
**Adjust:** C602 (FVCXO2) Input Board

- Disconnect all input from the AY-NE2000E.
- Connect the Frequency Counter to TP206.
- Adjust C602 to obtain  $4.433624 \text{ MHz} \pm 5 \text{ Hz}$ .

## (19). Component Carrier Balance Adjustment

**Test Point:** Video Out Y/C Connector Rear Panel  
**Adjust:** R805 (COMP CAR BAL-1) Input Board  
R806 (COMP CAR BAL-2) Input Board

- Select the CH1-Component Input by the Device setting, and supply the Colour Bar signal to the Component Input Connector of CH1.
- Connect the Vectorscope to the Video Out Y/C Connector.
- Set the Gain Control of the Vectorscope to the maximum.
- Adjust R805 and R806 so that the vector positions at the center of the Vectorscope as shown in Fig. 3-9.

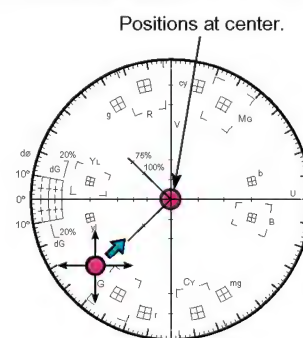


Fig. 3-9

- Set the Gain Control of the Vectorscope to the normal.



### (20). Pedestal Level Adjustment

**Test Point:** Video Out Y/C Connector      **Rear Panel**  
**Adjust:** R812 (PED)      **Input Board**

- Select the CH1-Component Input by the Device setting, and supply the Ramp signal to the Component Input Connector of CH1.
- Connect the Terminated Oscilloscope with  $75\Omega$  to the Video Out Y/C Connector.
- Adjust R812 so that the Pedestal signal level becomes  $0 \pm 1$  IRE as shown in Fig. 3-10.

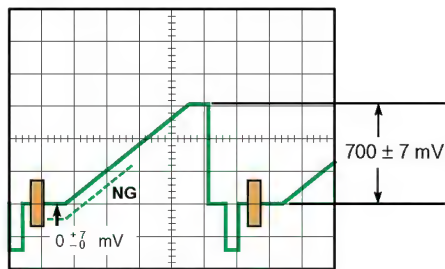


Fig. 3-10

### (21). Component Y Gain Adjustment

**Test Point:** Video Out Y/C Connector      **Rear Panel**  
**Adjust:** R811 (COMP Y GAIN)      **Input Board**

- Select the CH1-Component Input by the Device setting, and supply the Ramp signal to the Component Input Connector of CH1.
- Connect the Waveform Monitor to the Video Out Y/C Connector.
- Adjust R811 so that the Y signal level becomes  $700 \pm 14$  mV as shown in Fig. 3-11.

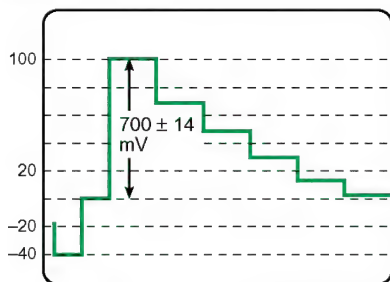


Fig. 3-11

- Confirm that the Pedestal level stays same level,
- If not, repeat steps 20 and 21 until satisfactory.

### (22). Component C Gain Adjustment

**Test Point:** Video Out Y/C Connector      **Rear Panel**  
**Adjust:** R809 (COMP C GAIN-1)      **Input Board**  
R810 (COMP C GAIN-2)      **Input Board**

- Select the  $\beta$  Component Input by the Device setting, and supply the  $P_B = 0.7V$  Component Colour Bar signal to the Component Input Connector of CH1.
- Connect the Vectorscope to the Video Out Y/C Connector.
- Adjust R809 and R810 so that the Chrominance Gain and Phase are adjusted to proper position ( $\pm 3\%$ ,  $3\%$ ) as shown in Fig. 3-12.

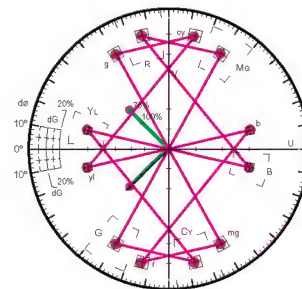


Fig. 3-12

### (23). Horizontal Phase Adjustment

**Test Point:** Video Out Y/C Connector      **Rear Panel**  
**Adjust:** R804 (H-PHASE)      **Input Board**

- Select the CH1-Y/C Input by the Device setting, and supply the Cross-hatch signal to the Y/C Video Input Connector of CH1.
- Connect the Oscilloscope to the Video Output terminal of the Signal Generator, then measure the Horizontal Phase "t" as shown in the Fig. 3-13.

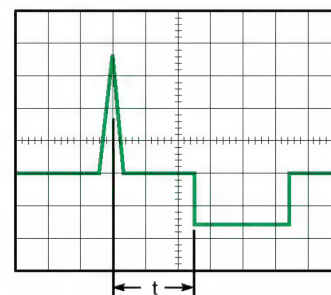


Fig. 3-13

- Change the connection of the Oscilloscope to the Y terminal of the Video Out Y/C Connector.
- Adjust R804 so that the Horizontal Phase becomes  $t \pm 70$  nS.

#### (24). Burst Gate Pulse Width 1 Adjustment

**Test Point:** TP211 (BGP-1) **Input Board**  
**Adjust:** R794 (BGP-1) **Input Board**

- Select the CH1-Composite Input by the Device setting, and supply the Colour Bar signal to the Composite Video Input Connector of CH1.
- Connect the Oscilloscope to TP211.
- Adjust R794 so that the Burst Gate Pulse Width becomes  $8.4 \mu\text{S}$  as shown in Fig. 3-14.

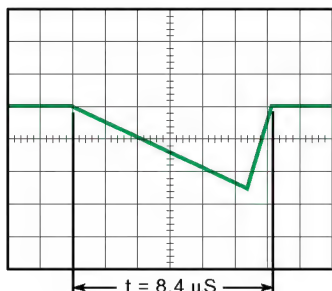


Fig. 3-14

#### (25). Burst Gate Pulse Width 2 Adjustment

**Test Point:** TP205 (BGP-2) **Input Board**  
**Adjust:** R799 (BGP-2) **Input Board**

- Select the CH1-Y/C Input by the Device setting, and supply the Colour Bar signal to the Y/C Video Input Connector of CH1.
- Connect the Oscilloscope to TP205.
- Adjust R799 so that the Burst Gate Pulse Width becomes  $8.4 \mu\text{S}$  as shown in Fig. 3-15.

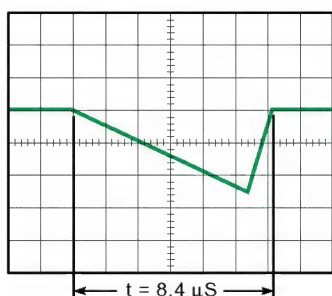


Fig. 3-15

#### (26). Y/C Carrier Balance Adjustment

**Test Point:** Video Out Y/C Connector **Rear Panel**  
**Adjust:** R807 (Y/C CAR BAL-1) **Input Board**  
R808 (Y/C CAR BAL-2) **Input Board**

- Select the CH1-Y/C Input by the Device setting, and supply the Colour Bar signal to the Y/C Video Input Connector of CH1.
- Connect the Vectorscope to the Video Out Y/C Connector.

- Set the Gain Control of the Vectorscope to the maximum.
- Adjust R807 and R808 so that the vector positions at the center of the Vectorscope as shown in Fig. 3-16.

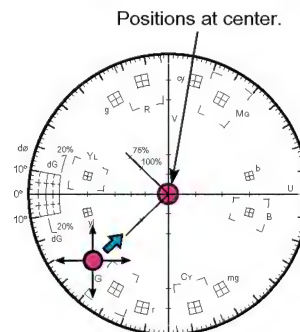


Fig. 3-16

- Set the Gain Control of the Vectorscope to the normal.

#### (27). Y/C Y Gain Adjustment

**Test Point:** Video Out Y/C Connector **Rear Panel**  
**Adjust:** R797 (Y/C Y GAIN) **Input Board**

- Select the CH1-Y/C Input by the Device setting, and supply the Colour Bar signal to the Y/C Video Input Connector of CH1.
- Connect the Waveform Monitor to the Video Out Y/C Connector.
- Adjust R797 so that the Y signal level becomes  $700 \pm 7$  mV as shown in Fig. 3-18.

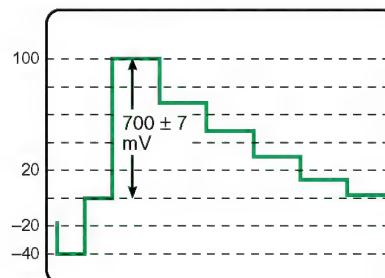


Fig. 3-18

#### (28). Y/C Chrominance Adjustment

**Test Point:** Video Out Y/C Connector **Rear Panel**  
**Adjust:** R800 (Y/C R-Y GAIN) **Input Board**  
R802 (Y/C B-Y GAIN) **Input Board**  
R801 (TINT) **Input Board**

- Select the CH1-Y/C Input by the Device setting, and supply the Colour Bar signal to the Y/C Video Input Connector of CH1.
- Connect the Waveform Monitor to the Video Out Y/C Connector.



- Aim the Red vector, adjust R800 so that the Red vector becomes proper position.
- Aim the Yellow vector, adjust R802 so that the Yellow vector becomes proper position.
- Aim the Red vector, adjust R801 so that the Red vector becomes proper position.
- Repeat adjustment R800, R802 and R801 so that the Chrominance Gain and Phase are adjusted to proper position as shown in Fig. 3-19.

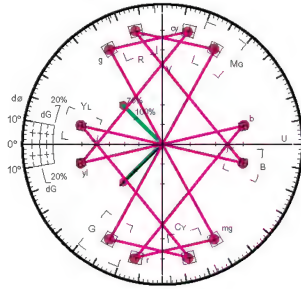


Fig. 3-19

### (29). Y/C Separation Gain Adjustment

**Test Point:** Video Out Composite Connector

**Adjust:** R793 (Y/C SEPA GAIN) Rear Panel  
Input Board

- Select the CH1-Composite Input by the Device setting, and supply the Ramp (Chroma 40 IRE (286 mV)) signal to the Composite Input Connector of CH1.
- Connect the Oscilloscope to TP201.
- Adjust 793 so that the Y/C Separation signal becomes maximum without saturation as shown in Fig. 3-20.

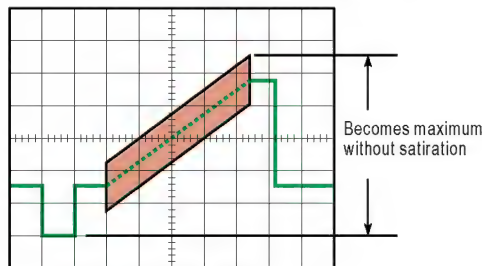


Fig. 3-20

### (30). Composite Y Gain Adjustment

**Test Point:** Video Out Composite Connector

**Adjust:** R798 (COMP Y-GAIN) Rear Panel  
Input Board

- Select the CH1-Composite Input by the Device setting, and supply the Colour Bar signal to the Composite Input Connector of CH1.

- Connect the Waveform Monitor to the Video Out Y/C Connector.
- Adjust R798 so that the Y signal level becomes  $700 \pm 7$  mV as shown in Fig. 3-21.

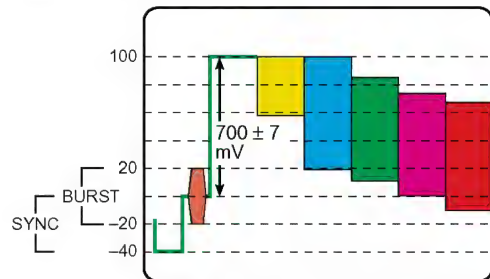


Fig. 3-21

## • Audio Board

### (31). Balance Output Level Adjustment

**Test Point:** 1-CH Unbalanced Audio

<b>Output Connector-L</b>	<b>Rear Panel</b>
<b>1-CH Unbalanced Audio</b>	
<b>Output Connector-R</b>	<b>Rear Panel</b>
<b>Adjust: R759 (BAL-L)</b>	<b>Audio Board</b>
<b>R762 (BAL-R)</b>	<b>Audio Board</b>

- Supply 1 KHz Tone Clip to the Sequence Editor and playback.
- Connect the AC Voltmeter (with dB Measure) to the 1-CH Balanced Audio Output Connector-L.
- Adjust R759 so that the 1-CH Balanced Output level becomes  $0.00 \pm 0.10$  dB $\mu$ .
- Change the connection of the AC Voltmeter (with dB Measure) to the 1-CH Balanced Audio Output Connector-R.
- Adjust R762 so that the 1-CH Balanced Output level becomes  $0.00 \pm 0.10$  dB $\mu$ .

### (32). Unbalance Output Level Adjustment

**Test Point:** 3-CH Unbalanced Audio

<b>Output Connector-L</b>	<b>Rear Panel</b>
<b>3-CH Unbalanced Audio</b>	
<b>Output Connector-R</b>	<b>Rear Panel</b>
<b>Adjust: R245 (UNBAL-L)</b>	<b>Audio Board</b>
<b>R247 (UNBAL-R)</b>	<b>Audio Board</b>

- Supply 1 KHz Tone Clip to the Sequence Editor and playback.
- Connect the AC Voltmeter (with dB Measure) to the 3-CH Unbalanced Audio Output Connector-L.

- Adjust R245 so that the 3-CH Unbalanced Output level becomes  $-6.00 \pm 0.10$  dBs.
- Change the connection of the AC Voltmeter (with dB Measure) to the 3-CH Unbalanced Audio Output Connector-R.
- Adjust R247 so that the 3-CH Unbalanced Output level becomes  $-6.00 \pm 0.10$  dBs.

### (33). Input Level Adjustment

- Test Point:**    **1-CH Balanced Audio**  
                          **Output Connector-L**                      **Rear Panel**  
                          **1-CH Balanced Audio**  
                          **Output Connector-R**                      **Rear Panel**
- Adjust:**        **R263 (INPUT-L)**                      **Audio Board**  
                          **R266 (INPUT-R)**                      **Audio Board**
- Supply 1 KHz ( $0.00 \pm 0.10$  dB $\mu$ ) signal from the Audio Analyzer to the 1-CH Balanced Input Connector-L.
  - Executes the Manual Digitizer and select 1-CH Balanced Input Connector-L by the Device setting.
  - Connect the AC Voltmeter (with dB Measure) to the 1-CH Balanced Audio Output Connector-L.
  - Adjust R263 so that the 1-CH Balanced Output level-L becomes  $0.00 \pm 0.10$  dB $\mu$ .
  - Supply 1 KHz ( $0.00 \pm 0.10$  dB $\mu$ ) signal from the Audio Analyzer to the 1-CH Balanced Input Connector-R.
  - Executes the Manual Digitizer and select 1-CH Balanced Input Connector-R by the Device setting.
  - Change the connection of the AC Voltmeter (with dB Measure) to the 1-CH Balanced Audio Output Connector-R.
  - Adjust R266 so that the 1-CH Balanced Output level-R becomes  $0.00 \pm 0.10$  dB $\mu$ .

## ■ Jog pad WJ-JP1000

- **Before start to adjust the Jog Pad, remove the Bottom Cover, connect supplied cable between the Jog Pad and AY-NE2000E.**

### (34). Wipe High Level Adjustment

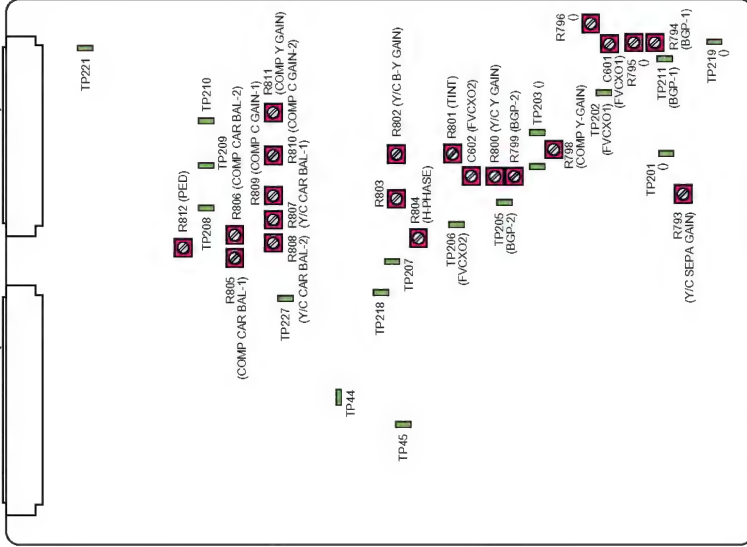
- Test Point:**    **TP2 (WIPE H)**                      **Jog Pad Board**  
                          **TP3 (WIPE L)**                      **Jog pad Board**
- Adjust:**        **VR3 (WIPE H)**                      **Jog pad Board**
- Move the Wipe Level Controls and Audio Level Knob to + side slightly.
  - Connect the Digital Voltmeter to TP3 and measure the voltage at TP3 (this voltage is E).
  - Change the connection of the Digital Voltmeter to TP2.
  - Adjust VR3 so that the voltage at TP2 becomes  $E - (0.2 \pm 0.05)$  V.

### (35). Wipe Low Level Adjustment

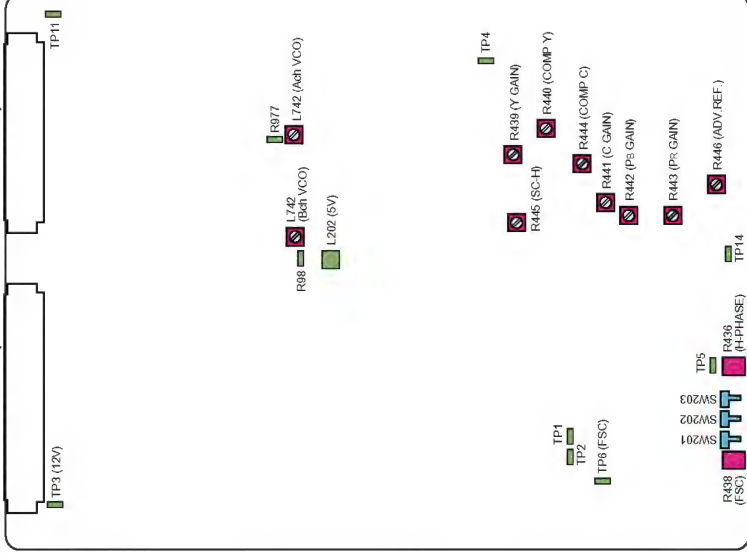
- Test Point:**    **TP3 (WIPE L)**                      **Jog Pad Board**  
**Adjust:**        **VR4 (WIPE L)**                      **Jog pad Board**
- Move the Wipe Level Controls and Audio Level Knob to the frontward slightly.
  - Connect the Digital Voltmeter to TP3.
  - Adjust VR4 to obtain  $-0.2 \pm 0.05$  V.

# LOCATION OF TEST POINTS AND ADJUSTING CONTROLS

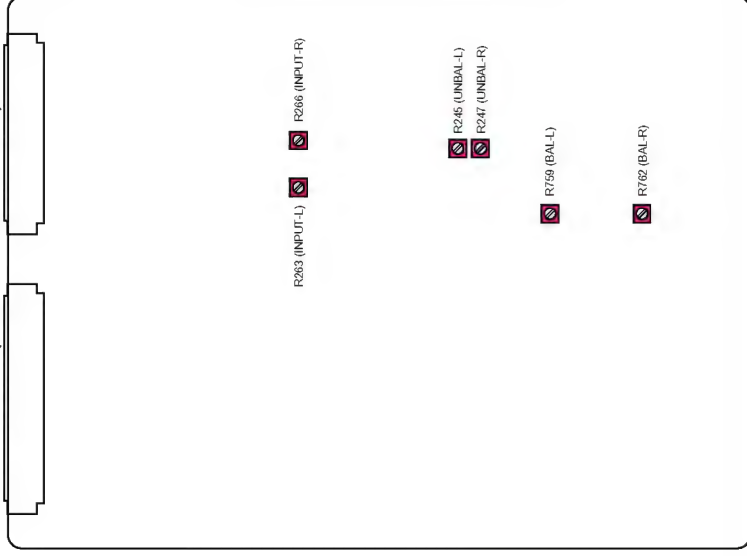
## INPUT BOARD (COMPONENT SIDE)



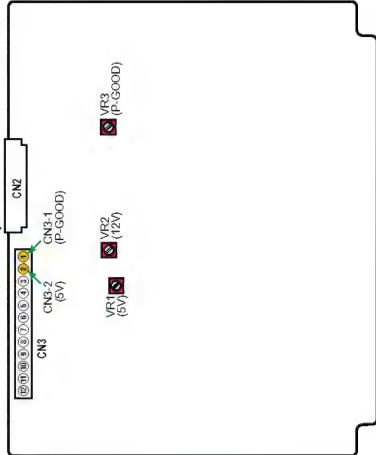
## MIXER BOARD (COMPONENT SIDE)



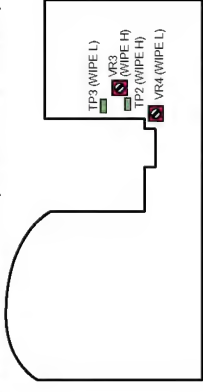
## AUDIO BOARD (COMPONENT SIDE)



## POWER BOARD (COMPONENT SIDE)

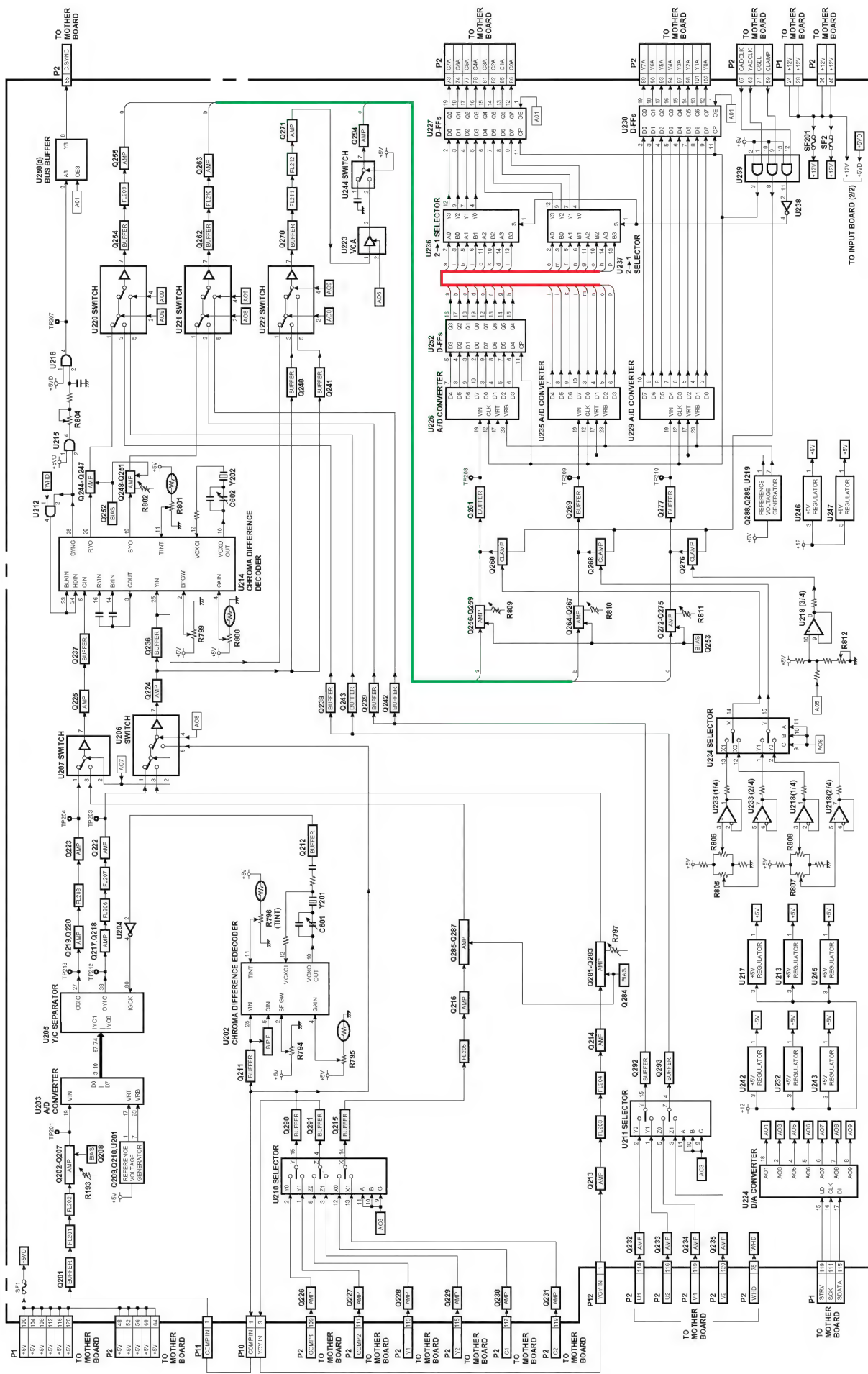


## WJ-JP1000 MAIN BOARD (PATTERN SIDE)



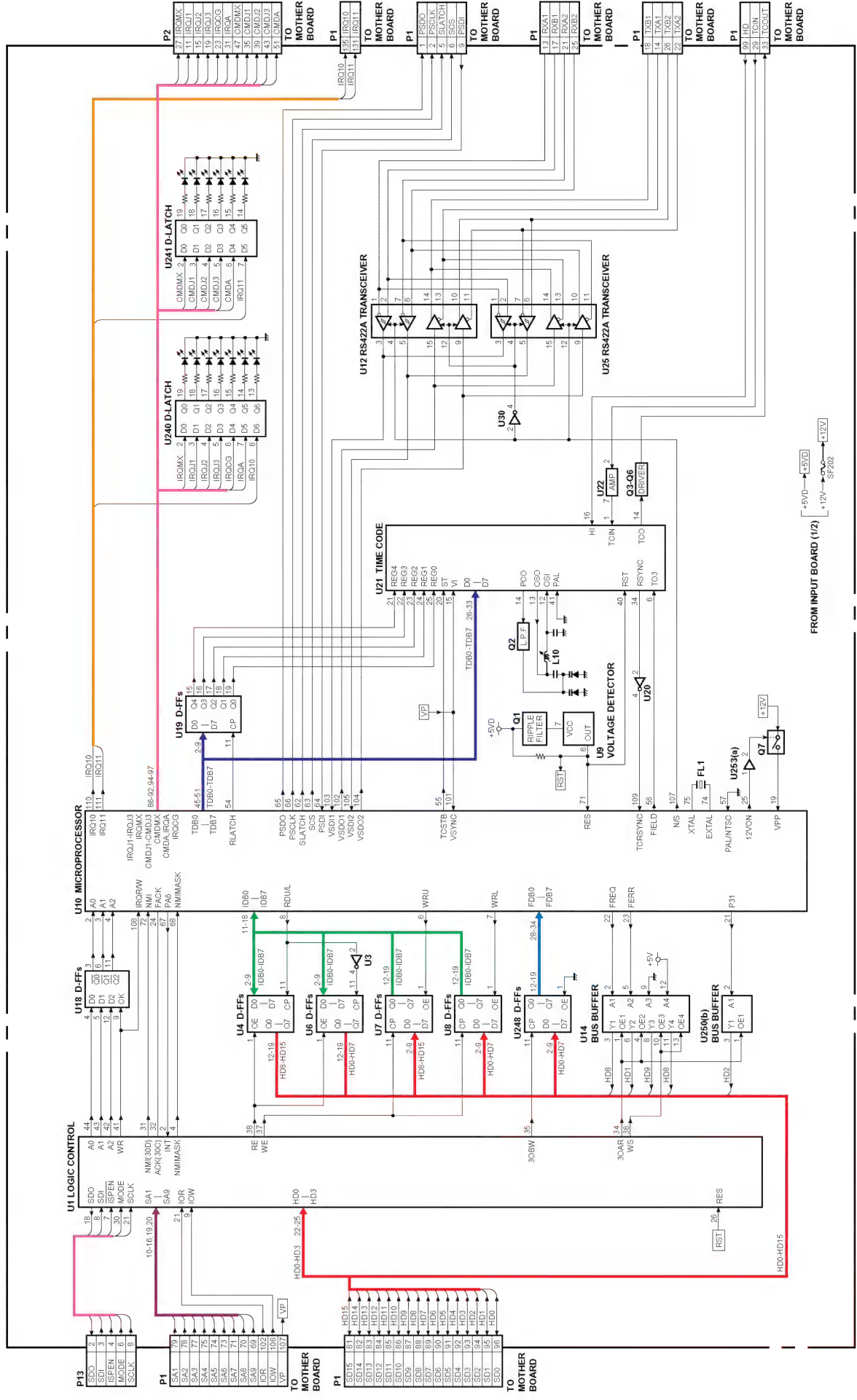
# BLOCK DIAGRAM OF INPUT BOARD (1/2)

## INPUT BOARD



# BLOCK DIAGRAM OF INPUT BOARD (2/2)

## INPUT BOARD



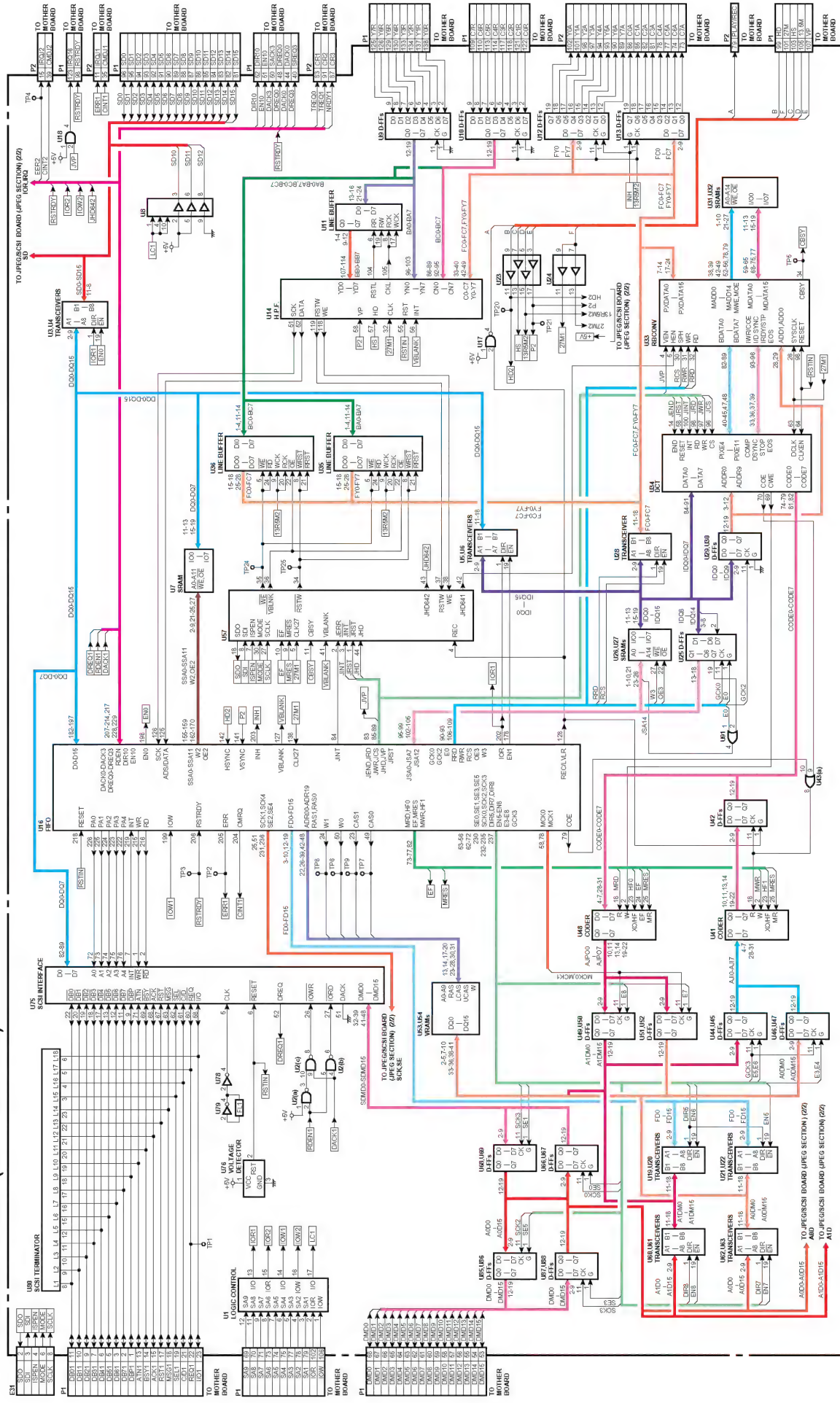


**JPEG/SCSI BOARD (SCSI SECTION)**

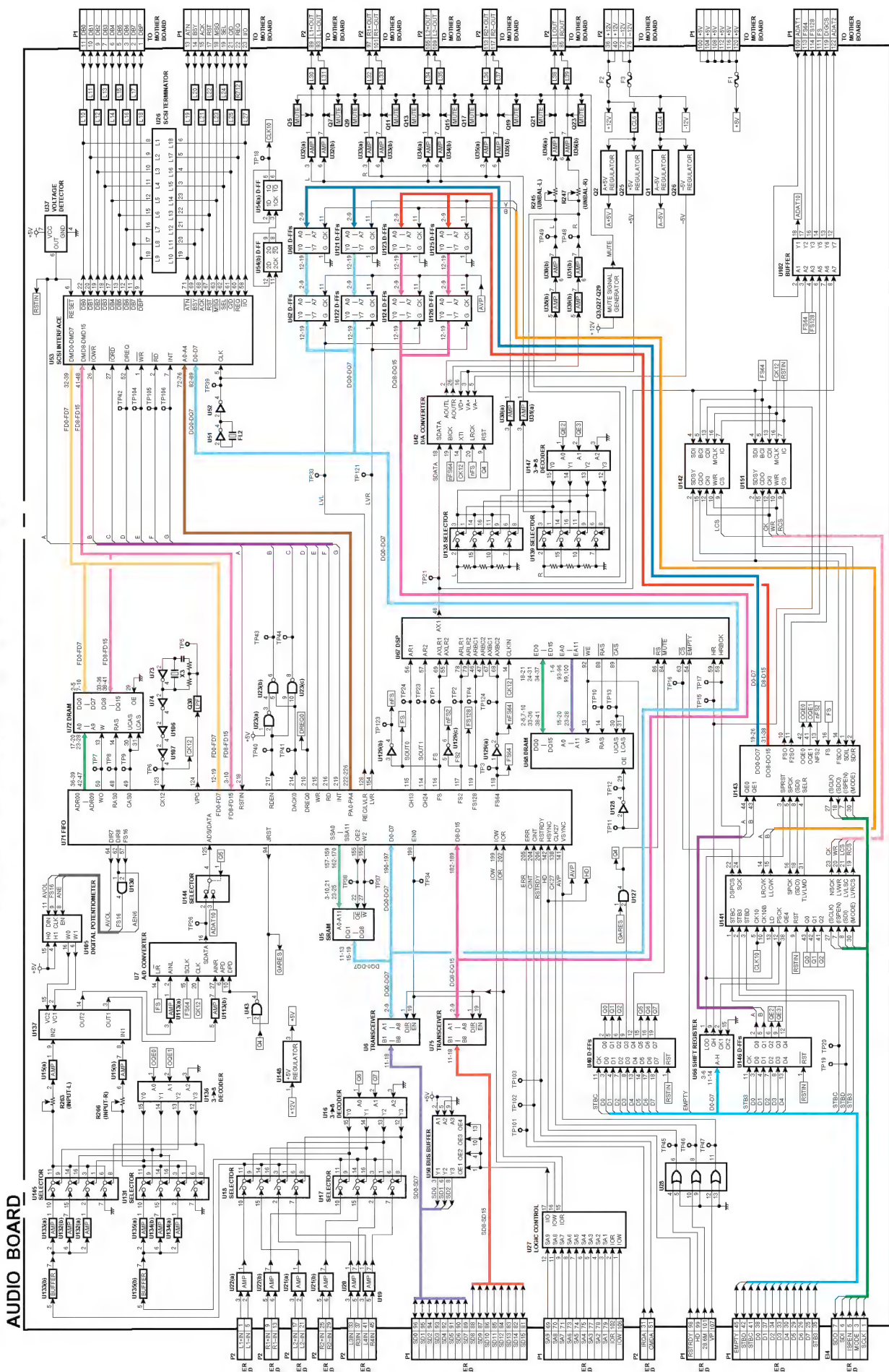




**JPEG/SCSI BOARD (JPEG SECTION)**



# BLOCK DIAGRAM OF AUDIO BOARD



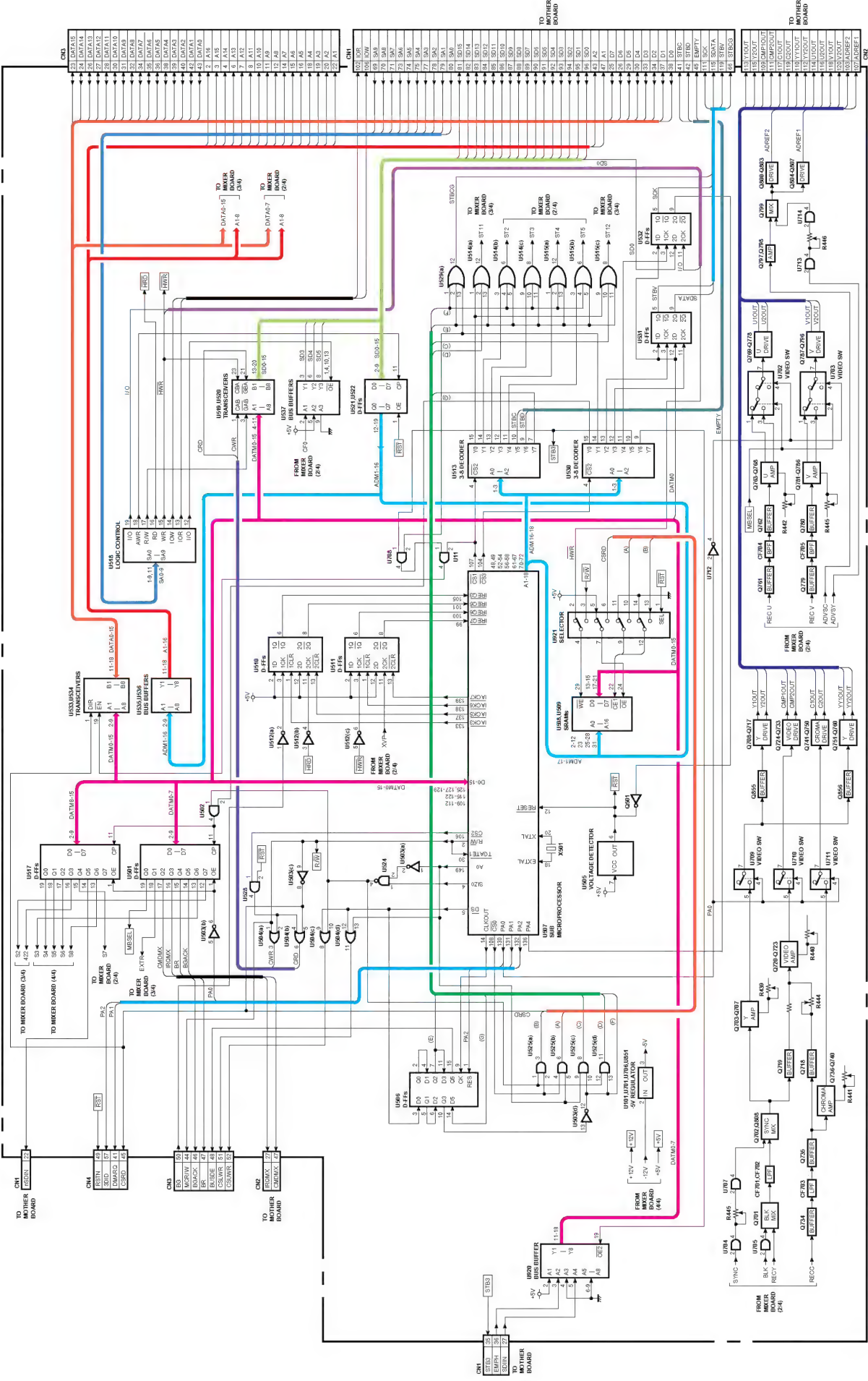


## CG BOARD



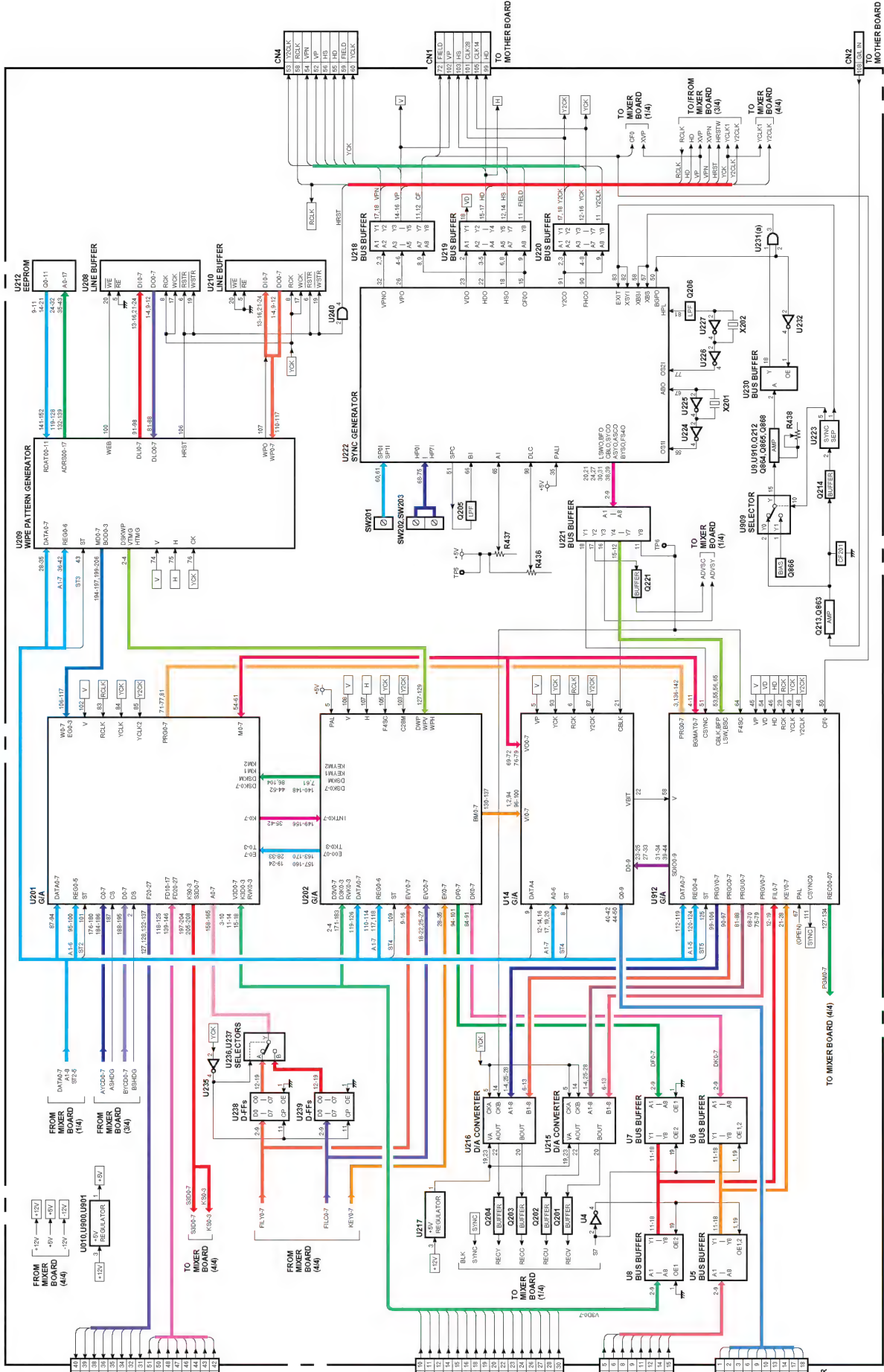
# BLOCK DIAGRAM OF MIXER BOARD (1/4)

## MIXER BOARD



# BLOCK DIAGRAM OF MIXER BOARD (2/4)

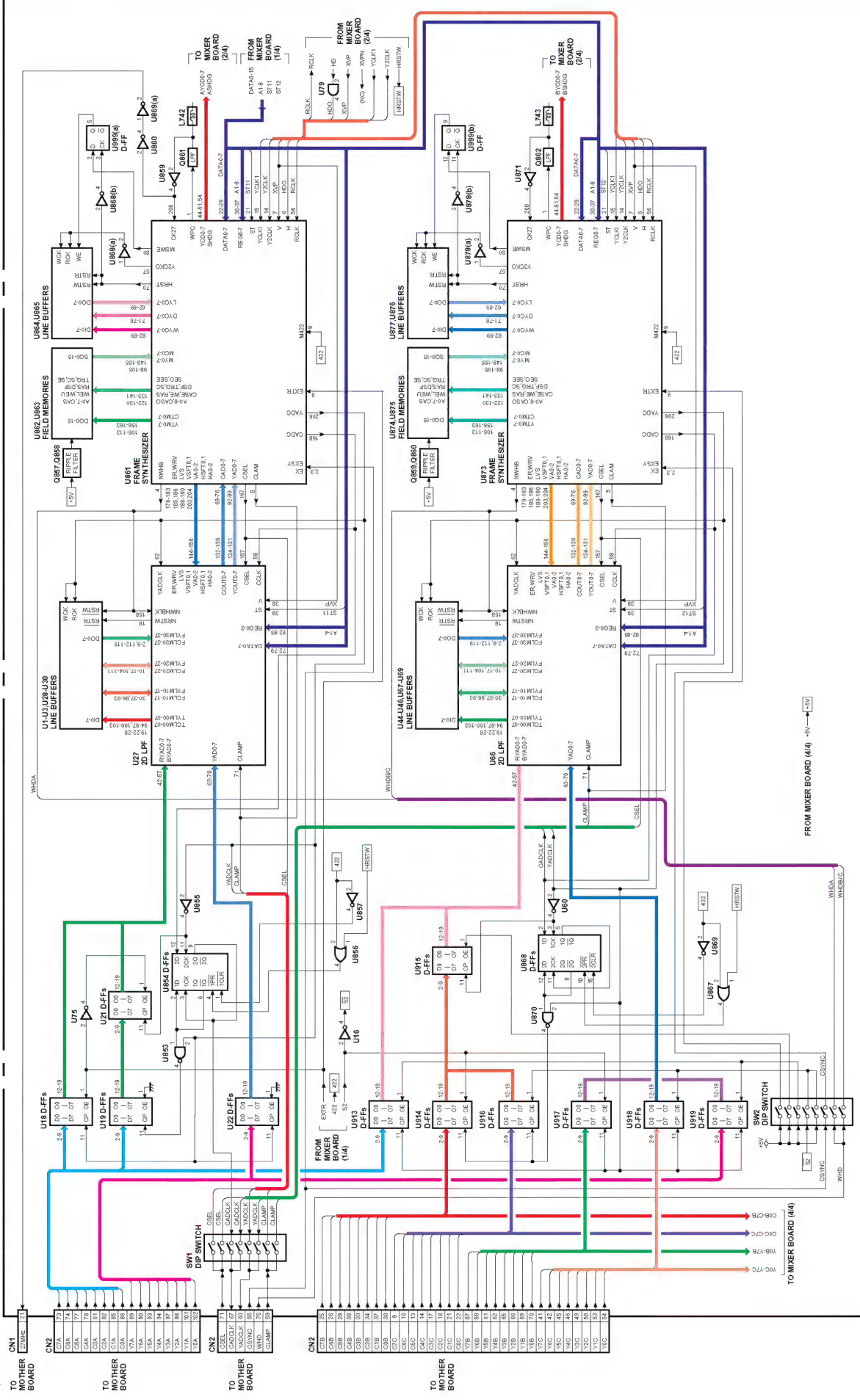
## MIXER BOARD





# BLOCK DIAGRAM OF MIXER BOARD (3/4)

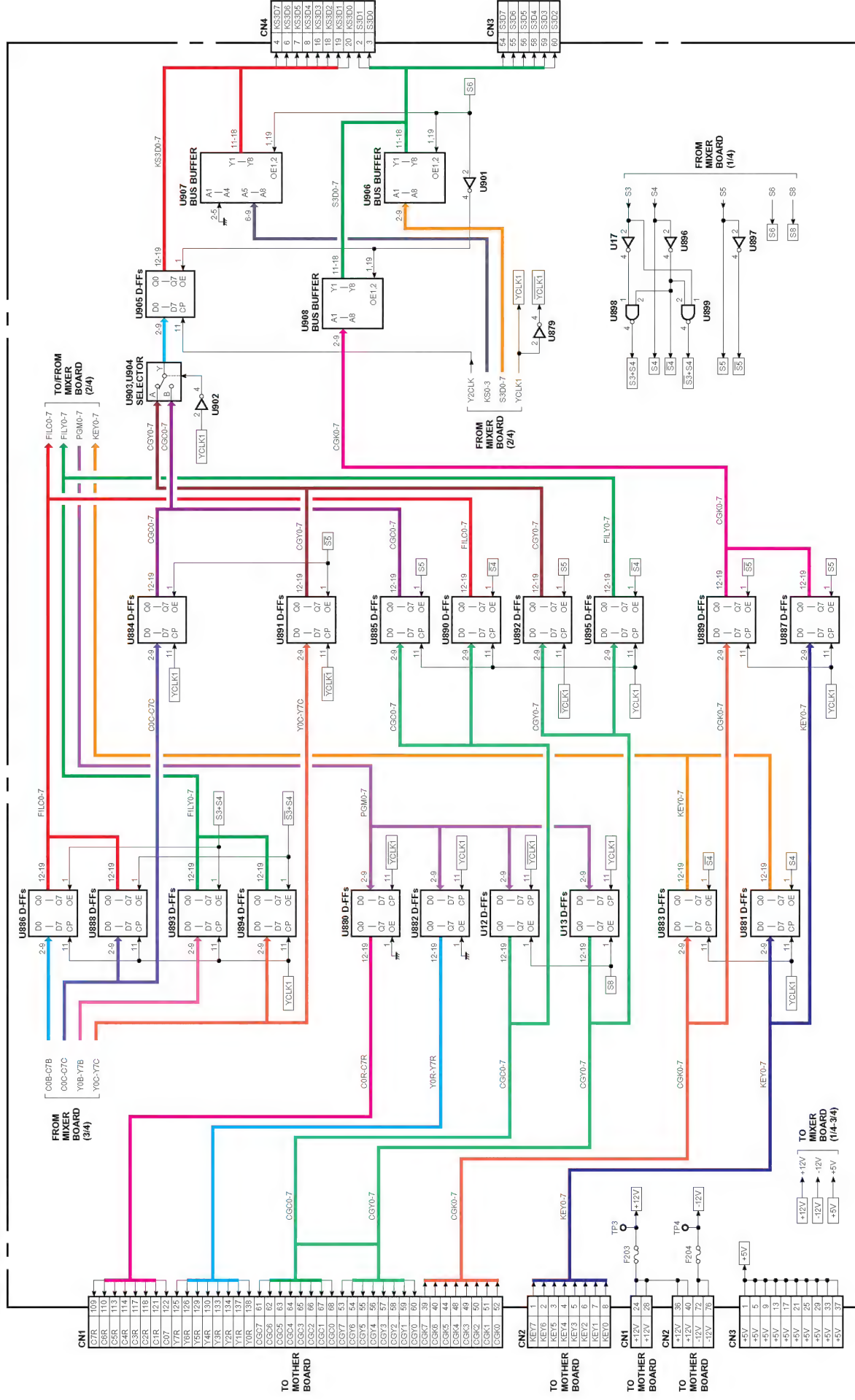
## MIXER BOARD





# BLOCK DIAGRAM OF MIXER BOARD (4/4)

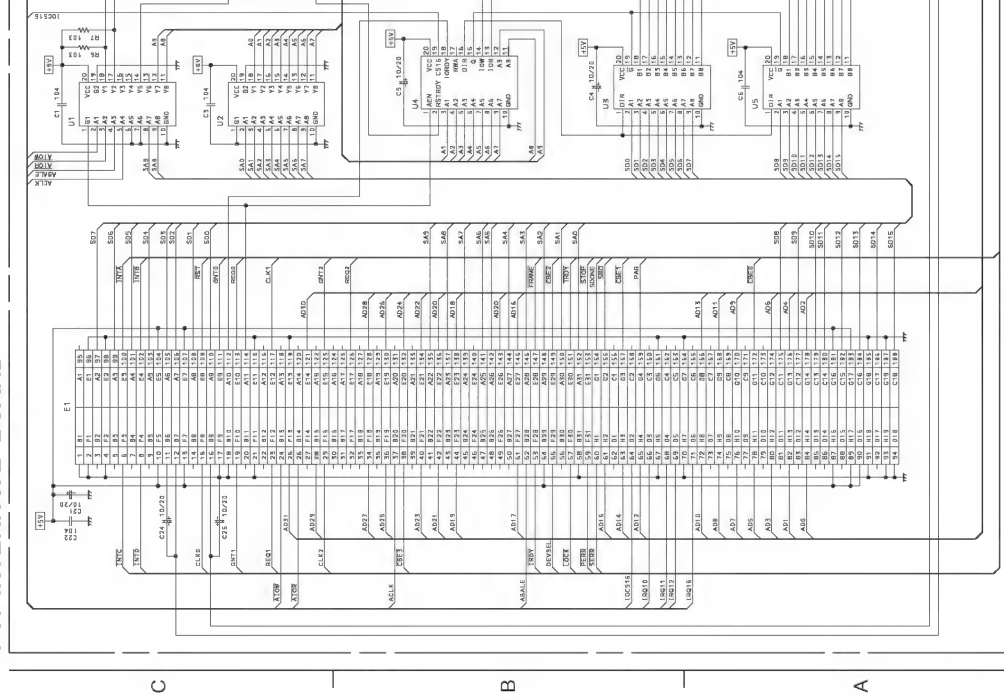
## MIXER BOARD



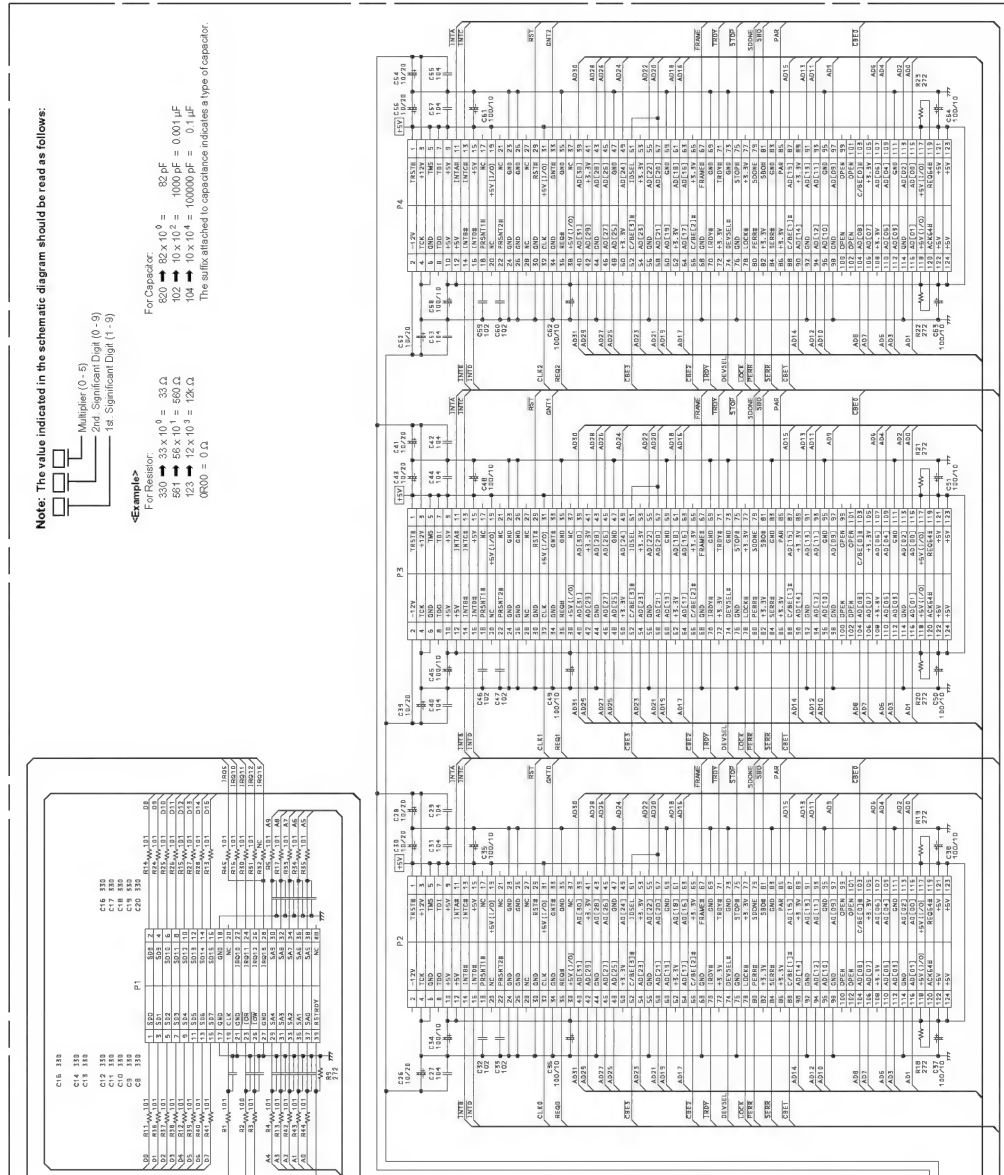
## SDI BOARD



## PCI INTERFACE BOARD



## SCHEMATIC DIAGRAM OF PCI INTERFACE BOARD



**Note:** The value indicated in the schematic diagram should be read as follows:



<Example>

**Example:**

For Resistor:	330	→	$33 \times 10^0 =$	$33 \Omega$
	561	→	$56 \times 10^1 =$	$560 \Omega$
	123	→	$12 \times 10^3 =$	$12k\Omega$
	0R00	=	$0 \Omega$	

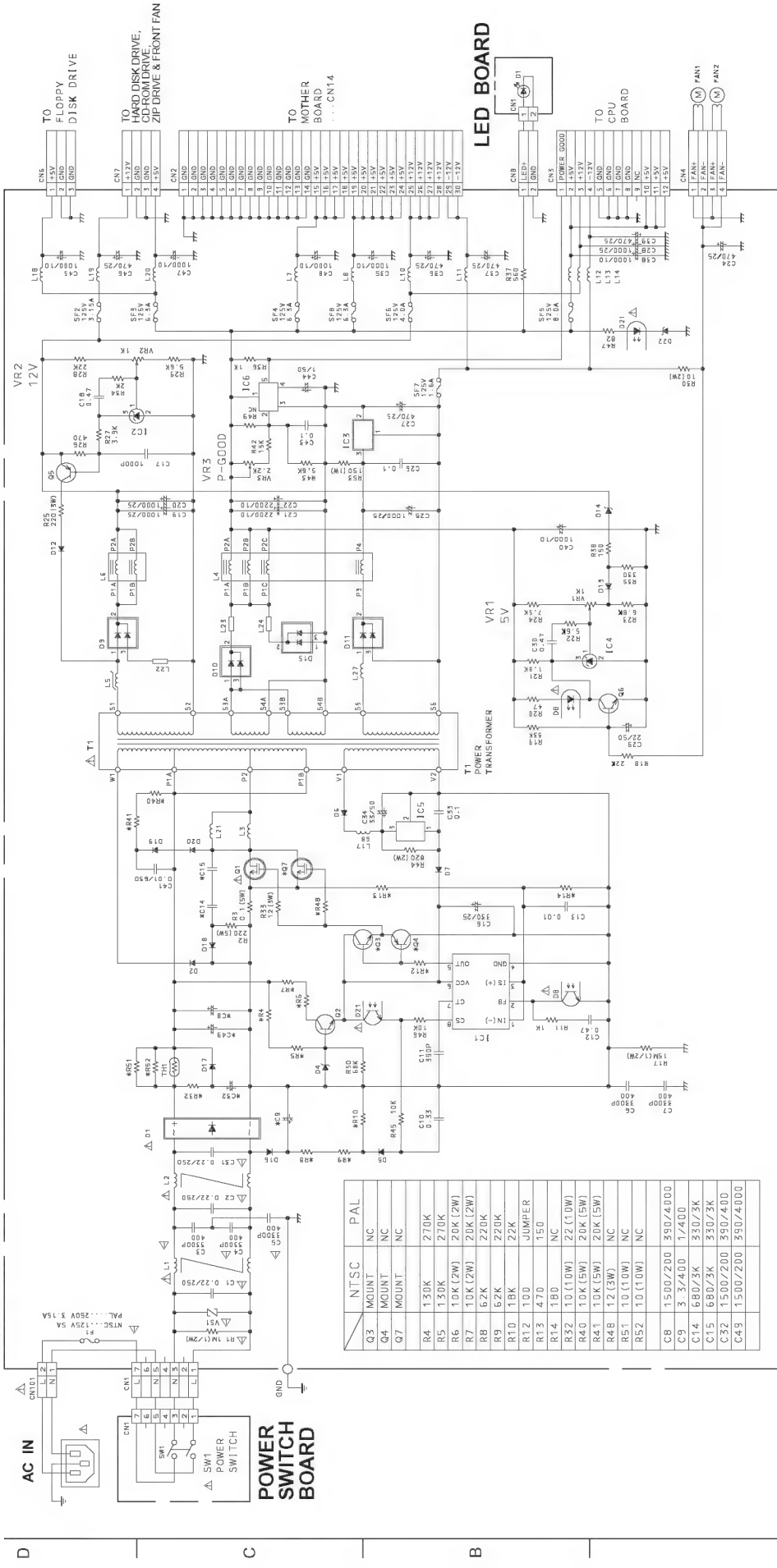
For Capacitor:

	820	→	$82 \times 10^0 =$	$82 pF$
	102	→	$10 \times 10^2 =$	$1000 pF = 0.001 \mu F$
	104	→	$10 \times 10^4 =$	$100000 pF = 0.1 \mu F$

The suffix attached to capacitance indicates

# SCHEMATIC DIAGRAM OF POWER BOARD / POWER SWITCH BOARD / LED BOARD

## POWER BOARD

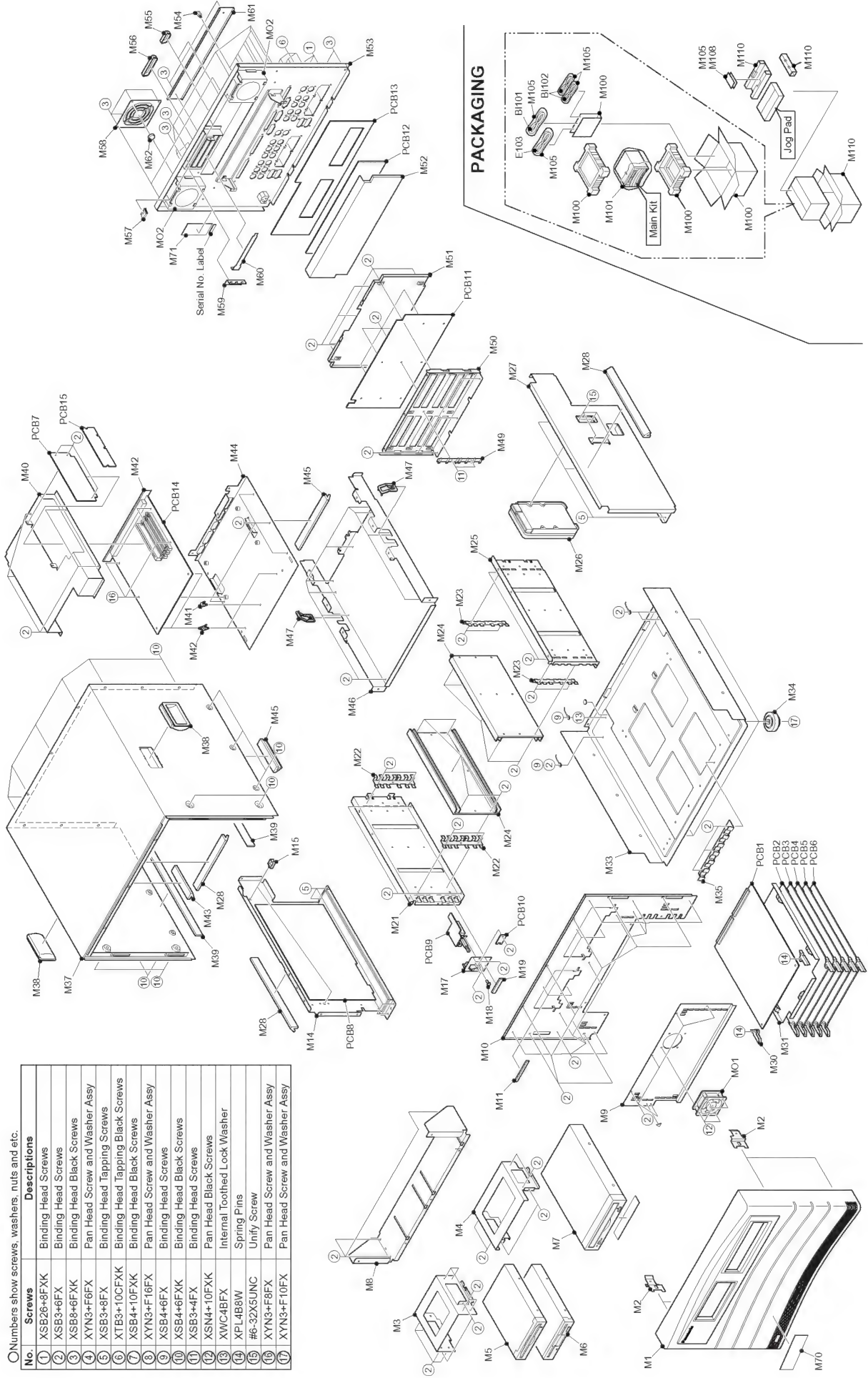


	NTSC	PAL
Q3	MOUNT	NC
Q4	MOUNT	NC
Q7	MOUNT	NC
R4	10K	270K
R5	10K	270K
R6	10K(2W)	20K(2W)
R7	10K(2W)	20K(2W)
R8	62K	220K
R9	62K	220K
R10	18K	22K
R12	100	JUMPER
R13	470	150
R14	180	NC
R32	10(10W)	22(10W)
R40	10K(5W)	20K(5W)
R41	10K(5W)	20K(5W)
R48	12(3W)	NC
R51	10(10W)	NC
R52	10(10W)	NC
C8	1500/200	350/4000
C9	3.3/400	1/400
C14	680/3K	330/3K
C15	680/3K	330/3K
C32	1500/200	350/400
C49	1500/200	350/4000

**Important safety notice**  
Components identified by "Δ" mark have special characteristics for safety.  
When replacing any of these components, use only manufacturer's specified parts.



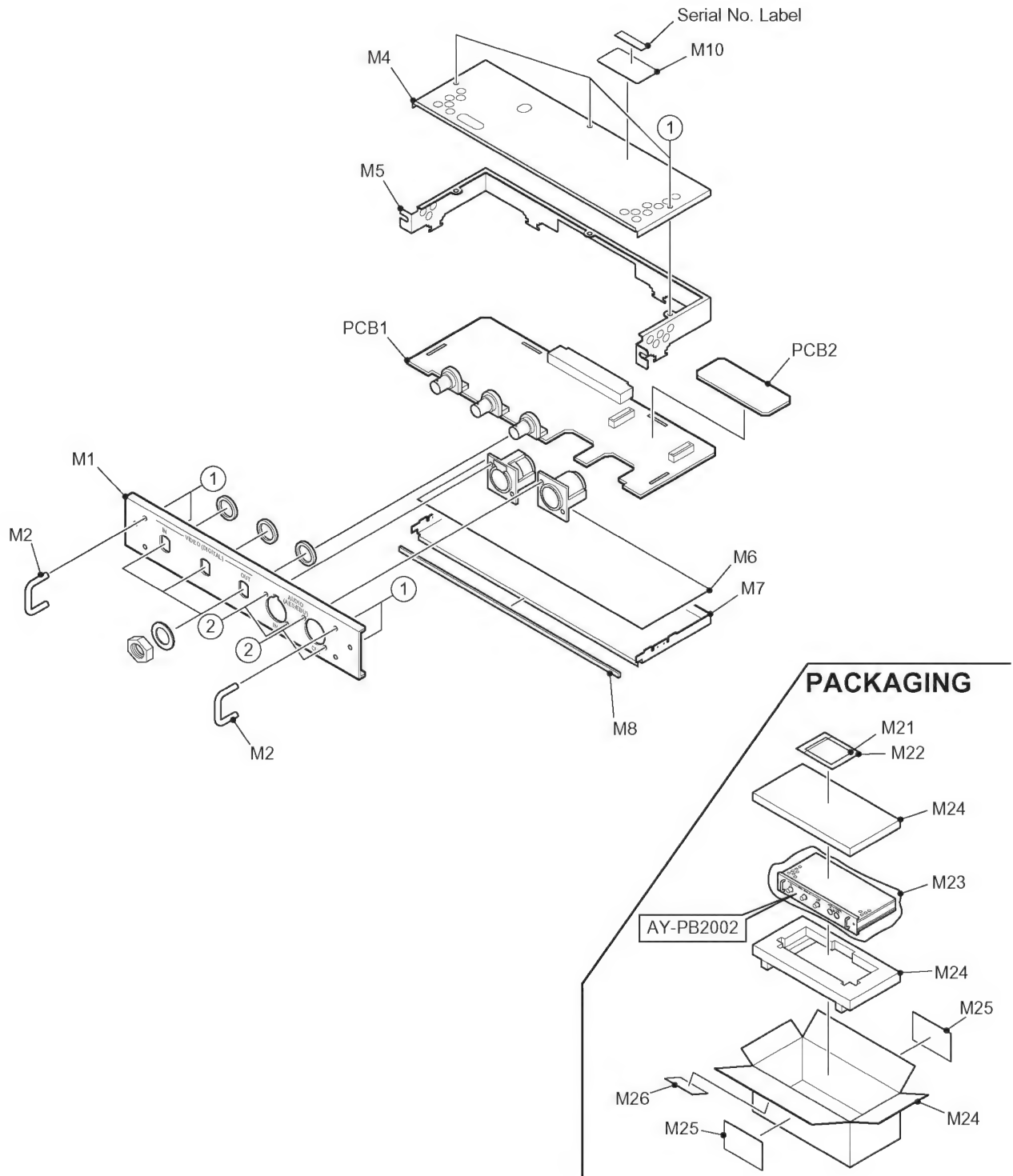
# EXPLODED VIEW OF AY-NE2000E



## EXPLODED VIEW OF AY-PB2002E

○ Numbers show screws, washers, nuts and etc.

No.	Screws	Description
①	XSB26+5FX	Binding Head Screws
②	XTB3+10CFXK	Binding Head Tapping Black Screws



# REPLACEMENT PARTS LIST

## Important Notice

- Components identified by "△" mark have special characteristics important for safety.  
When replacing any of these components, use only manufacturer's specified parts.
- RTL : Retention Time Limited (No longer available after discontinuing product).


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
<b>NONLINEAR WORKSTATION MAIN KIT AY-NE2000E</b>			M49	YWV2HA1217A3	Shield Parts
<b>MISCELLANEOUS</b>			M50	YWW2SA2790A2	Mounting Angle
M01	0610-12M-180	Fan	M51	YW1C1A074B	Shield Parts
M02	FBA08A12H	Fan	M52	YW1C1A079A	Shield Parts
M1	YW0A1A005A	Front Panel	M53	YW1K1A095A	Rear Panel
M2	YW1B1B081A	Mounting Parts	M54	YWSFS26SB1WM	Special Screw
M3	YW1B1B078A	Mounting Parts	M55	YWR9P	Cover
M4	YW1B1B079A	Mounting Parts	M56	YWP25P	Cover
M5	YWJU-811T	ZIP Drive Unit	M58	YW1A1A248A	Cabinet Parts
M6	YWJU256A6P	FDD	M59	YW1A1A247A	Cabinet Parts
M7	CR589MN1	CD-ROM Drive Unit	M60	YW1K1A094A	Plate
M8	YW1B1B076A	Mounting Parts	M61	YW1A1A245A	Cabinet Parts
M9	YW0A1A004A	Mechanical Ass'y	M62	YW5E1A063A	Cushion
M10	YW1A1A243A	Cabinet Parts	M70	YWW7SA3046A3	Label
M11	YW1C1A086A	Shield Parts	M71	△ YW7Z1A029A	Main Label
M14	YWW2SA2792A3	Mounting Angle	<b>JPEG / SCSI BOARD (SCSI SECTION)</b>		
M15	YWW52NSL	Spacer	PCB1 (RTL)	YWJ1200EKZ7A	Printed Circuit Board Ass'y
M17	YWW2SA4328A3	Mounting Angle	U1	YW16V8AV04A	IC
M18	YWW5RA0448A4	Knob	U2	YWMC74AC00M	IC
M19	YW1C1A015A	Shield Parts	U3,4	MC74HC245AF	IC
M21	YWW2SB2784A1	Mounting Parts	U7	YWCY7C18515V	IC
M22	YWW2HB1204A3	Shield Parts	U8	MC74HC125AF	IC
M23	YWW2HA1204A3	Shield Parts	U16	UPD65806080	IC
M24	YWW2EA0234A2	Guide	U23,24	YWMC74AC541M	IC
M25	YWW2SA2784A1	Mounting Parts	U75	MB86604LPFVG	IC
M26	0E1A045A	HDD	U76	M51951AMLW	IC
M27	YW1B1B077B	Mounting Parts	U77	YWMC74AC32M	IC
M28	YW1C1A088A	Shield Parts	U78,79	YWSC7SU04F	IC
M33	YWW9AA2032AN	Mechanical Ass'y	U80	YWBH9595FPY	IC
M34	YWFF10050L	Shoe	R1-3	ERJ6GEYJ101	Carbon 100 ohms 1/16W
M35	YWW4JA1015A3	Shield Parts	R4	ERJ6GEYJ102	Carbon 1K ohms 1/16W
M37	YW1A1A244A	Cabinet Parts			
M38	AP-197-1-3	Handle			
M39	YW1C1A075A	Shield Parts			
M40	YW1C1A088A	Shield Parts			
M41	SPLSN-3	Spacer			
M42	SPSN-3	Spacer			
M43	YW1B1B255A	Mounting Angle			
M44	YW1B1B080A	Mounting Parts			
M45	YW1C1A087A	Shield Parts			
M46	YW4E1A003A	Frame			
M47	EH-18U	Spacer			

[illegible]



REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
U42	YWMC74AC574M	IC		R38	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U43	YWMC74ACT08M	IC		R39,41	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U44-47	YWMC74AC574M	IC		R43	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U48	CY7C421-10JC	IC		R45,46	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U49-52	C0JBAZ000113	IC		R49-52	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
U53,54	YWMB8118165B	IC		R63,64	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U60-63	YWMC74AC245M	IC		R66,67	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U66-69	YWMC74AC574M	IC		R69-72	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U75	MB86604LPFVG	IC		R74,75	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U76	M51951AMLW	IC		R77	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U77	YWMC74AC32M	IC		R79-94	ERJ3GEYJ242	Carbon	2.4K ohms 1/16W
U78,79	YWSC7SU04F	IC		R100-105	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U80	YWBH9595FPY	IC		R106,130	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U85-88	YWMC74AC574M	IC		R131-133	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U91	YWSC7S32FER	IC		R141	ERJ3GEYJ102	Carbon	1K ohms 1/16W
U202	YWMC74AC00M	IC		R150-154	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U203-206	MC74HC245AF	IC		R161	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U207	YWCY7C18515V	IC		R162	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U212,213	YULSQ0007	IC		R163	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U216	UPD65806080	IC		R164,166	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U219-222	MC74HC245AF	IC		R167	ERJ3GEYJ105	Carbon	1M ohms 1/16W
U225	YULSQ0007	IC		R168	ERJ3GEYJ201	Carbon	200 ohms 1/16W
U226,227	YCY7C19915VC	IC		R180-185	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
U228	YWMC74AC245M	IC		R186-188	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U229,230	YWMC74AC574M	IC		R207,209	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U231,232	YCY7C19915VC	IC		R210,212	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U233	YWMD0205	IC		R214,215	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U234	YWMD36050X27	IC		R217-219	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U241	CY7C421-10JC	IC		R229-232	EXBV8V560J	Block Resistor	56 ohms
U242	YWMC74AC574M	IC		R233-237	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U243	YWMC74ACT08M	IC		R303-305	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U244-247	YWMC74AC574M	IC		R306,330	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U253,254	YWMB8118165B	IC		R331-333	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U260-263	YWMC74AC245M	IC		R341	ERJ3GEYJ102	Carbon	1K ohms 1/16W
U266-269	YWMC74AC574M	IC		R350	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U275	MB86604LPFVG	IC		R352-354	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U276	M51951AMLW	IC		R361	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U278,279	YWSC7SU04F	IC		R362	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U280	YWBH9595FPY	IC		R363	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U291	YWSC7S32FER	IC		R364,366	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R1-3	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R367	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R5	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R368	ERJ3GEYJ201	Carbon	200 ohms 1/16W
R6-10	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R380,381	ERJ3GEYJ562	Carbon	5.6K ohms 1/16W
R13	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R386-388	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R14,15	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R501-503	EXBV8V101J	Block Resistor	100 ohms
R16,18	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R504-507	EXBV8V562JV	Block Resistor	5.6K ohms
R19-24	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R508-511	EXBV8V101J	Block Resistor	100 ohms
R25-30	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R512-521	EXBV8V560J	Block Resistor	56 ohms
R31-34	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R522-525	EXBV8V100J	Block Resistor	10 ohms
R35,36	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R526-528	EXBV8V562JV	Block Resistor	5.6K ohms

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R535,536	EXBV8V560J	Block Resistor	56 ohms	C62,63	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R540	EXBV8V102JV	Block Resistor	1K ohms	C64,67	SK31C226MRC	Tantalum	22 $\mu$ F 16V
R541-546	EXBV8V560J	Block Resistor	56 ohms	C65,66	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R547,548	EXBV8VR000	Block Resistor	0 ohm	C68,69	YWSK41C106MB	Tantalum	22 $\mu$ F 16V
R549,550	EXBV8V560J	Block Resistor	56 ohms	C70,71	YWT316B104MT	Ceramic	0.1 $\mu$ F
R557	EXBV8V103J	Block Resistor	10K ohms	C76	YWSK41C106MB	Tantalum	22 $\mu$ F 16V
R558	EXBV8V102JV	Block Resistor	5.6K ohms	C77,78	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R560-587	EXBV8V560J	Block Resistor	56 ohms	C79	YWSK41C106MB	Tantalum	10 $\mu$ F 16V
R636,637	EXBV8V103J	Block Resistor	10K ohms	C80-83	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R644-651	EXBV8V560J	Block Resistor	56 ohms	C84	SK31C226MRC	Tantalum	22 $\mu$ F 16V
R652-655	EXBV8V330JV	Block Resistor	33 ohms	C85-91	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R661-664	EXBV8VR000	Block Resistor	0 ohm	C92,93	YWSK41C106MB	Tantalum	10 $\mu$ F 16V
R712-721	EXBV8V560J	Block Resistor	56 ohms	C96-101	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R722-725	EXBV8V100J	Block Resistor	10 ohms	C102	ECST1CC336ZR	Tantalum	33 $\mu$ F 16V
R735,736	EXBV8V560J	Block Resistor	56ohms	C103	YWT316B104MT	Ceramic	0.1 $\mu$ F
R740	EXBV8V102JV	Block Resistor	1K ohms	C104	ECST1CC336ZR	Tantalum	33 $\mu$ F 16V
R741-746	EXBV8V560J	Block Resistor	56 ohms	C105,132	YWSK41C106MB	Tantalum	10 $\mu$ F 16V
R747,748	EXBV8V101J	Block Resistor	100 ohms	C106	YWT316B104MT	Ceramic	0.1 $\mu$ F
R749,750	EXBV8V560J	Block Resistor	56 ohms	C107	ECEV1AA330P	Electrolytic	33 $\mu$ F 10V
R757	EXBV8V103J	Block Resistor	10K ohms	C109	ECST1CY225ZR	Tantalum	2.2 $\mu$ F 16V
R758	EXBV8V562JV	Block Resistor	5.6K ohms	C110,115	YWT316B104MT	Ceramic	0.1 $\mu$ F
R760-769	EXBV8V560J	Block Resistor	56 ohms	C116-118	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R830-835	EXBV8V560J	Block Resistor	56 ohms	C120-123	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R836,837	EXBV8V103J	Block Resistor	10K ohms	C130,131	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R841-844	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C133	YGM1B103K1HT	Ceramic	0.01 $\mu$ F
R853-863	ERJ3GEYJ5R6V	Carbon	5.6 ohms 1/16W	C134	ECEV1CA220WR	Electrolytic	22 $\mu$ F 16V
R864	ERJ3GEYJ5R6V	Carbon	2.2 ohms 1/16W	C135,136	YWT316B104MT	Ceramic	0.1 $\mu$ F
R865-870	ERJ3GEYJ5R6V	Carbon	5.6 ohms 1/16W	C217-221	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
R903-913	ERJ3GEYJ5R6V	Carbon	5.6 ohms 1/16W	C222	YWSK41C106MB	Tantalum	10 $\mu$ F 16V
R914	ERJ3GEYJ2R2V	Carbon	2.2 ohms 1/16W	C230,231	YWT316B104MT	Ceramic	0.1 $\mu$ F
R915-920	ERJ3GEYJ5R6V	Carbon	5.6 ohms 1/16W	C245,248	SK31C226MRC	Tantalum	22 $\mu$ F 16V
C1-4	ECEV1AA101SP	Electrolytic	100 $\mu$ F 10V	C246,247	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C5-15	GRM9CH330J5H	Ceramic	33 $\mu$ F	C249-252	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C16	SK31C226MRC	Tantalum	22 $\mu$ F 16V	C255,258	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C17-21	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C256,257	YWSK41C106MB	Tantalum	10 $\mu$ F 16V
C22,23	YWSK41C106MB	Tantalum	10 $\mu$ F 16V	C259,260	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C24,25	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C261	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C26,27	YWSK41C106MB	Tantalum	10 $\mu$ F 16V	C262,263	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C28,30	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C264,267	SK31C226MRC	Tantalum	22 $\mu$ F 16V
C29	YWSK41C106MB	Tantalum	10 $\mu$ F 16V	C265,266	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C31,38	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C268,269	SK31C226MRC	Tantalum	22 $\mu$ F 16V
C35,40	SK31C226MRC	Tantalum	22 $\mu$ F 16V	C270,271	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C39,46	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C276	SK31C226MRC	Tantalum	22 $\mu$ F 16V
C45,48	YWSK41C106MB	Tantalum	22 $\mu$ F 16V	C277,278	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C47,49	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C279,292	YWSK41C106MB	Tantalum	10 $\mu$ F 16V
C50-52	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C280-283	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C55,58	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C290,291	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C56,57	YWSK41C106MB	Tantalum	10 $\mu$ F 16V	C293,305	YWSK41C106MB	Tantalum	10 $\mu$ F 16V
C59,60	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C296-299	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C61	YWSK41C106MB	Tantalum	22 $\mu$ F 16V	C301	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION
C302	ECST1CC336ZR	Tantalum	33 $\mu$ F 16V	CG BOARD		
C303	YWT316B104MT	Ceramic	0.1 $\mu$ F	PCB3 (RTL)	YWY2000EKZ5A	Printed Circuit Board Ass'y
C304	ECST1CC336ZR	Tantalum	33 $\mu$ F 16V	U2,3	YWH534253BJ8	IC
C306	YWT316B104MT	Ceramic	0.1 $\mu$ F	U4	YWH538123BJ8	IC
C307	ECEV1AA330P	Electrolytic	33 $\mu$ F 10V	U6,7	YWH534253BJ8	IC
C309	ECST1CY225ZR	Tantalum	2.2 $\mu$ F 16V	U8	YWH538123BJ8	IC
C310,315	YWT316B104MT	Ceramic	0.1 $\mu$ F	U9,10	YWH534253BJ8	IC
C316-318	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	U11	YWH538123BJ8	IC
L1,2	YWCD75100KC	Coil		U12,13	YWH534253BJ8	IC
L3,4	ELJFA1R0KF	Coil		U14	YWH538123BJ8	IC
L5	ELJFA100KF	Coil		U15,16	YWH534253BJ8	IC
L21,22	ELJFA1R0KF	Coil		U17	YWH538123BJ8	IC
L25,26	ELJFA1R0KF	Coil		U18,19	YWH534253BJ8	IC
L27,28	ELJPA1R0MF	Coil		U20	YWH538123BJ8	IC
L30,31	ELJFA1R0KF	Coil		U21	MC74ACT574M	IC
L35,40	ELJFA1R0KF	Coil		U22	MC74HC573AF	IC
L41	ELJFA1R0KF	Coil		U23	YWCY7C18515V	IC
L42,227	ELJPA1R0MF	Coil		U24	MC74HC573AF	IC
L205	ELJFA100KF	Coil		U25	MC74ACT574M	IC
L222,225	ELJFA1R0KF	Coil		U26	MC74HC573AF	IC
L226,231	ELJFA1R0KF	Coil		U27	YWCY7C18515V	IC
L228,242	ELJPA1R0MF	Coil		U28	MC74HC573AF	IC
L235,240	ELJFA1R0KF	Coil		U29	MC74ACT574M	IC
L241	ELJFA1R0KF	Coil		U30	MC74HC573AF	IC
A1,2	DIF1313CT404	Special Assembly		U31	YWCY7C18515V	IC
FL1,201	CSTCS40MX040	Ceramic Filter		U32	MC74HC573AF	IC
F1,2 	YWSSFC2AT4	Current Fuse		U33	C0JBAB000057	IC
P1	YW8817140L	140-pin Connector		U34	YULSQ0007	IC
P2	YW8817120L	120-pin Connector		U35-42	C3HBC0000017	IC
E1-9	YWRCT2125TPV	Terminal Pin		U44	M51951AMLW	IC
E18-27	YWRCT2125YPV	Terminal Pin		U45	YWMC74AC541M	IC
E31	K4BK08E00001	Terminal Pin		U46	C0JBAH000012	IC
E201,205	YWRCT2125TPV	Terminal Pin		U47	YWMC74AC574M	IC
E206-209	YWRCT2125YPV	Terminal Pin		U48,49	C0JBAH000012	IC
E1	YWL3071A05A5	Internal Wire		U50	YWMC74AC574M	IC
E2	YWL3071A07A5	Cable		U51,52	C0JBAH000012	IC
TP10-17	YWRCS3216TPV	Test Point		U53	C0JBAZ0000113	IC
M30	YVW4RA0121A3	Lever		U54,55	C0JBAH000012	IC
M31	YVW2HA1206A3	Shield Parts		U56	C0JBAZ0000113	IC
				U57	C0JBAH000012	IC
				U62	YWTMS34020A3	IC
				U63,64	C0JBAB000057	IC
				U65-67	C0JBAC000047	IC
				U84,86	MC74ACT32M	IC
				U89	C0JBAZ0000171	IC
				U91,92	YWH534253BJ8	IC

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
U93	YWH538123BJ8	IC		R528	EXBV8V103J	Block Resistor	10K ohms
U94,95	YWH534253BJ8	IC		R529-531	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U96	YWH538123BJ8	IC		R532	ERJ3GEY0R00	Carbon	0 ohm 1/16W
U97	YWMC74AC541M	IC		R536	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U98	YWMC74AC32M	IC		R538	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U99-102	YWMC74AC245M	IC		R539	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U103-105	YULSQ0025	IC		R541	EXBV8V103J	Block Resistor	10K ohms
U106	YWMC74AC541M	IC		R542	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U107	YWMC74AC32M	IC		R543-546	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U500	YWUL1A501A	IC		R547	EXBV8V103J	Block Resistor	10K ohms
U501	UL1A499D	IC		R551	ERJ3GEYJ101	Carbon	100 ohms 1/16W
U502	YWUL1A500A	IC		R561-563	ERJ3GEYJ103	Carbon	10K ohms 1/16W
U503-510	YULSQ0007	IC		R564,565	ERJ3GEYJ560	Carbon	56 ohms 1/16W
U511,512	YWMB8118165B	IC		R566,567	EXBV8V560J	Block Resistor	56 ohms
U513	C0JBZZ000115	IC		R568-571	EXBV8V101J	Block Resistor	100 ohms
U514	YWUM1A101B	IC		R576,577	EXBV8V101J	Block Resistor	100 ohms
R2-5	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R578,579	EXBV8V103J	Block Resistor	10K ohms
R14,19	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R580,581	EXBV8V101J	Block Resistor	100 ohms
R20,21	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R582,583	EXBV8V560J	Block Resistor	56 ohms
R24,25	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R584,585	ERJ3GEYJ560	Carbon	56 ohms 1/16W
R27-30	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R586-589	EXBV8V560J	Block Resistor	56 ohms
R33	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R590,591	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R34-36	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R592-599	EXBV8V101J	Block Resistor	100 ohms
R37	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R600	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R39,40	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R601-604	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R41	ERJ3GEYJ105	Carbon	1M ohms 1/16W	R605-609	ERJ3GEYJ560	Carbon	56 ohms 1/16W
R45,47	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R626,627	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R48-55	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R633	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R61-64	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R635,636	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R65-68	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R637-652	EXBV8V101J	Block Resistor	100 ohms
R73	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R654-663	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R74-78	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R664-666	ERJ3GEYJ560	Carbon	56 ohms 1/16W
R81	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R667	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R83	ERJ3GEYJ560	Carbon	56 ohms 1/16W	C3-14	F3H1C106A001	Electrolytic	10 µF 16V
R85,87	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C16,17	YWT316B104MT	Ceramic	0.1 µF
R88-91	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C18,23	F3H1C106A001	Electrolytic	10 µF 16V
R96	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C19,21	YWT316B104MT	Ceramic	0.1 µF
R98,100	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C22,24	YWT316B104MT	Ceramic	0.1 µF
R110,111	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C25,26	YWT316B104MT	Ceramic	0.1 µF
R112-114	EXBV8V103J	Block Resistor	10K ohms	C27	F3H1C106A001	Electrolytic	10 µF 16V
R115	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C28,29	YWT316B104MT	Ceramic	0.1 µF
R116	ERJ3GEYJ560	Carbon	56 ohms 1/16W	C30-33	F3H1C106A001	Electrolytic	10 µF 16V
R117,118	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C34,35	ECST1CD226ZR	Tantalum	22 µF 16V
R500-516	EXBV8V101J	Block Resistor	100 ohms	C36-44	YWT316B104MT	Ceramic	0.1 µF
R517	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C48-50	YWT316B104MT	Ceramic	0.1 µF
R518,520	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C52,53	ECST1CD226ZR	Tantalum	22 µF 16V
R521	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C54	YWT316B104MT	Ceramic	0.1 µF
R522,523	EXBV8V103J	Block Resistor	10K ohms	C68-70	EEVHA0J101P	Electrolytic	100 µF 6.3V
R524-526	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C76,77	YWT316B104MT	Ceramic	0.1 µF
R527	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C85-88	F3H1C106A001	Electrolytic	10 µF 16V



REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION
C89,90	YWT316B104MT	Ceramic	0.1 $\mu$ F	M30	YWV4RA0121A3	Lever
C91	ECST1CD226ZR	Tantalum	22 $\mu$ F 16V	M31	YWV2HA1206A3	Shield Parts
C92	F1H1H181A004	Ceramic	180 pF			
C93	ECST1CD226ZR	Tantalum	22 $\mu$ F 16V			
C94-101	GRM9CH330J5H	Ceramic	33 pF			
C102	ECST1CD226ZR	Tantalum	22 $\mu$ F 16V			
C103-106	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C123,124	GRM9CH330J5H	Ceramic	33 pF			
C131-133	EEVHA0J101P	Electrolytic	100 $\mu$ F 6.3V			
C138,139	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C556	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C557	YGM1B103K1HT	Ceramic	0.01 $\mu$ F			
C558	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C559	ECST1CD226ZR	Tantalum	22 $\mu$ F 16V			
C560-563	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C564	ECST1CD226ZR	Tantalum	22 $\mu$ F 16V			
C565	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C566	ECST1CD226ZR	Tantalum	22 $\mu$ F 16V			
C567	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C568-575	F3H1C106A001	Electrolytic	10 $\mu$ F 16V			
C576-583	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C592	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C597-599	YWT316B104MT	Ceramic	0.1 $\mu$ F			
C950	ECCF1H330JC	Ceramic	33 pF			
L1-5	ELJPA1R0MF	Coil				
L6,7	ELJFA1R0KF	Coil				
L8	ELJFA100KF	Coil				
L9,10	ELJPA1R0MF	Coil				
L11,12	YWCD75100KC	Coil				
L13	ELJPA1R0MF	Coil				
L15	ELJFA100KF	Coil				
L16,17	YWCD75100KC	Coil				
L50	ELJFA100KF	Coil				
F1 $\triangle$	YWSSFC2AT4	Current Fuse				
F2 $\triangle$	K5H122A00001	Current Fuse				
E5-13	YWRCT2125TPV	Terminal Pin				
E15-19	YWRCT2125TPV	Terminal Pin				
E21-26	YWRCT2125TPV	Terminal Pin				
E50-57	YWRCT2125TPV	Terminal Pin				
E59	K4BK08E00001	Terminal Pin				
X1	H2D320500001	Crystal Oscillator				
X6	K3E149E00001	Crystal Oscillator				
E101	YWL3071A09A5	Cable				
E100	YWL3071A23A5	Internal Wire				
TP1-4	YWRCS3216TPV	Test Point				
TP31-34	YWRCS3216TPV	Test Point				
P1	YW8817140L	140-Pin Connector				
P2	YW8817120L	120-Pin Connector				
P6	JSEK00095	149-Pin IC Socket				
CN51	YWIC300803S4	8-Pin IC Connector				
				MIXER BOARD		
				PCB4 (RTL)	YWY2000EKZ3A	Printed Circuit Board Ass'y
				U1-3	C3HBCC000018	IC
				U4	C0JBAB000057	IC
				U5-8	C0JBAZ000763	IC
				U9	C0ABZB000009	IC
				U10	YW78L05UATE2	IC
				U11	C0JBAA000031	IC
				U12,13	C0JBAF000240	IC
				U16,17	C0JBAB000057	IC
				U18	C0JBAF000236	IC
				U19,21	C0JBAF000240	IC
				U22	C0JBAF000236	IC
				U27	YWL7A1113	IC
				U28-30	C3HBCC000018	IC
				U44-46	C3HBCC000017	IC
				U60	C0JBAB000057	IC
				U66	YWL7A1113	IC
				U67-69	C3HBCC000018	IC
				U75	C0JBAB000057	IC
				U79	C0JBAA000031	IC
				U100	C0JBAB000057	IC
				U101	79L05UATE2	IC
				U201	YWL7A1399	IC
				U202	YWPD65664106	IC
				U208	C3HBCC000018	IC
				U209	YWL7A1398	IC
				U210	C3HBCC000018	IC
				U212	SS400212CA	IC
				U215,216	YWMB40968PF	IC
				U217	YW78L05UATE2	IC
				U218,219	MC74AC541M	IC
				U222	YWPD65044U07	IC
				U223	YWL1881M	IC
				U224-227	C0JBAB000057	IC
				U230	MC74HC240AF	IC

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
U231	MC74HC08AF	IC	U866	YMC74HC04AF	IC
U232,235	C0JBAB000057	IC	U868	YWMC74AC74M	IC
U236	MC74HC157AF	IC	U869	C0JBAB000057	IC
U238,239	C0JBBF000021	IC	U870	C0JBAC000047	IC
U240	C0JBAA000031	IC	U871,872	C0JBAB000057	IC
U501	C0JBAH000012	IC	U873	MN5AA090LMA1	IC
U502	YWSC7S32FER	IC	U874,875	PD482445G560	IC
U503	YWMC74AC04M	IC	U876,877	C3HBCC000017	IC
U504	YWMC74AC32M	IC	U878	YMC74HC04AF	IC
U505	YWM51953BFP	IC	U879	C0JBAB000057	IC
U506	MC74HC174AF	IC	U880-895	C0JBAF000240	IC
U507	YWM68340FE16	IC	U896,897	C0JBAB000057	IC
U508,509	YUMNJ0029	IC	U898,899	C0JBAC000047	IC
U510,511	MC74HC74AF	IC	U900	YWNJM7805FA	IC
U512	YMC74HC04AF	IC	U901	C0CBBDG00001	IC
U513	C0JBAN000014	IC	U902	C0JBAB000057	IC
U514,515	C0JBAD000016	IC	U903,904	C0JBAR000163	IC
U517	C0JBAH000012	IC	U905	C0JBBF000021	IC
U518	YW16V8AV03A	IC	U906-908	ULK1A427	IC
U519,520	YWSNHT652DW	IC	U909	MC74HC4053F	IC
U521,522	C0JBAH000012	IC	U910	C0ABZB000009	IC
U524	C0JBAA000031	IC	U912	C1AB00000260	IC
U525	YWMC74AC32M	IC	U913-919	C0JBBF000021	IC
U528	C0JBAA000031	IC	U920	MC74HC541AF	IC
U529	C0JBAD000016	IC	U921	YWMC74AC157M	IC
U530	MC74HC138AF	IC	U999	MC74HC74AF	IC
U531,532	MC74HC74AF	IC	Q201-204	MSB709-QRS	Transistor
U533,534	MC74HC245AF	IC	Q205,206	2SK01980EL	Transistor
U535,536	MC74HC541AF	IC	Q212-214	MSD601-QRS	Transistor
U537	MC74HC125AF	IC	Q221,501	MSD601-QRS	Transistor
U567	YWSC7S32FER	IC	Q701	MSD601-QRS	Transistor
U701	79L05UATE2	IC	Q702	MSB709-QRS	Transistor
U702,703	YWNJM2235M	IC	Q703	MSD601-QRS	Transistor
U704,705	C0JBAA000031	IC	Q704-707	MSD601-QRS	Transistor
U706	79L05UATE2	IC	Q708	MSB709-QRS	Transistor
U707,708	C0JBAA000031	IC	Q709,710	MSD601-QRS	Transistor
U709-711	YWNJM2235M	IC	Q711,712	MSB709-QRS	Transistor
U712	C0JBAB000057	IC	Q713,714	MSD601-QRS	Transistor
U713,714	C0JBAA000031	IC	Q715	MSB709-QRS	Transistor
U851	79L05UATE2	IC	Q716	MSD601-QRS	Transistor
U852	C0JBAB000057	IC	Q717	MSB709-QRS	Transistor
U853	C0JBAC000047	IC	Q718-723	MSD601-QRS	Transistor
U854	YWMC74AC74M	IC	Q724	MSB709-QRS	Transistor
U855	C0JBAB000057	IC	Q725	MSD601-QRS	Transistor
U856	YWSC7S32FER	IC	Q726	MSB709-QRS	Transistor
U857	C0JBAB000057	IC	Q727	MSD601-QRS	Transistor
U858	YMC74HC04AF	IC	Q728	MSB709-QRS	Transistor
U859,860	C0JBAB000057	IC	Q729,730	MSD601-QRS	Transistor
U861	MN5AA090LMA1	IC	Q731	MSB709-QRS	Transistor
U862,863	PD482445G560	IC	Q732	MSD601-QRS	Transistor
U864,865	C3HBCC000017	IC	Q733	MSB709-QRS	Transistor

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
Q734	MSD601-QRS	Transistor	Q805,806	MSD601-QRS	Transistor
Q735	MSB709-QRS	Transistor	Q807,808	MSB709-QRS	Transistor
Q736-740	MSD601-QRS	Transistor	Q855,856	MSD601-QRS	Transistor
Q741	MSB709-QRS	Transistor	Q857-860	MSB709-QRS	Transistor
Q742	MSD601-QRS	Transistor	Q861,862	2SK01980EL	Transistor
Q743	MSB709-QRS	Transistor	Q863-866	MSD601-QRS	Transistor
Q744	MSD601-QRS	Transistor	Q868	MSD601-QRS	Transistor
Q745	MSB709-QRS	Transistor	D201-204	YWHVU359TRF	Diode
Q746,747	MSD601-QRS	Transistor	D205-211	B0ACCJ000017	Diode
Q748	MSB709-QRS	Transistor	D212,213	YW1SV214TPH3	Diode
Q749	MSD601-QRS	Transistor	R1	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q750,751	MSB709-QRS	Transistor	R2	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q752	MSD601-QRS	Transistor	R3,4	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q753	MSB709-QRS	Transistor	R5	EXBV8V101J	Block Resistor 100 ohms
Q754	MSD601-QRS	Transistor	R6-8	EXBV8V221J	Block Resistor 220 ohms
Q755	MSB709-QRS	Transistor	R9	EXBV8V101J	Block Resistor 100 ohms
Q756	MSD601-QRS	Transistor	R10	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q757	MSD601-QRS	Transistor	R11	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
Q758	MSB709-QRS	Transistor	R12-14	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q759	MSD601-QRS	Transistor	R16-18	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q760	MSB709-QRS	Transistor	R20-25	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q761	MSD601-QRS	Transistor	R26	ERJ3GEYJ681	Carbon 680 ohms 1/16W
Q762	MSB709-QRS	Transistor	R27	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q763	MSD601-QRS	Transistor	R29,30	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q764-768	MSD601-QRS	Transistor	R31,32	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q769	MSB709-QRS	Transistor	R33,34	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q770	MSD601-QRS	Transistor	R36	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q771	MSB709-QRS	Transistor	R37	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q772	MSD601-QRS	Transistor	R38	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q773	MSB709-QRS	Transistor	R40,41	EXBM16P103J	Block Resistor 10K ohms
Q774,775	MSD601-QRS	Transistor	R42	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q776	MSB709-QRS	Transistor	R43	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q777	MSD601-QRS	Transistor	R44,45	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q778	MSB709-QRS	Transistor	R46	ERJ3GEYJ560	Carbon 56 ohms 1/16W
Q779	MSD601-QRS	Transistor	R53,54	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q780	MSB709-QRS	Transistor	R60	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q781-786	MSD601-QRS	Transistor	R66-71	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q787	MSB709-QRS	Transistor	R73-75	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q788	MSD601-QRS	Transistor	R76	ERJ3GEYJ103	Carbon 10K ohms 1/16W
Q789	MSB709-QRS	Transistor	R77-79	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q790	MSD601-QRS	Transistor	R80	ERJ3GEYJ180	Carbon 18 ohms 1/16W
Q791	MSB709-QRS	Transistor	R81	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q792,793	MSD601-QRS	Transistor	R82,83	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q794	MSB709-QRS	Transistor	R85	ERJ3GEY0R00	Carbon 0 ohm 1/16W
Q795	MSD601-QRS	Transistor	R86	EXBM16P103J	Block Resistor 10K ohms
Q796	MSB709-QRS	Transistor	R90,91	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q797	MSD601-QRS	Transistor	R92,93	ERJ3GEYJ221	Carbon 220 ohms 1/16W
Q798-800	MSB709-QRS	Transistor	R94	ERJ3GEYJ101	Carbon 100 ohms 1/16W
Q801,802	MSD601-QRS	Transistor	R95	ERJ3GEYJ331	Carbon 330 ohms 1/16W
Q803,804	MSB709-QRS	Transistor	R96	ERJ3GEYJ221	Carbon 220 ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R97	ERJ3GEYJ105	Carbon	1M ohms 1/16W	R243	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R98	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R246	EXBV8V103J	Block Resistor	10K ohms
R99	ERJ3GEYJ511	Carbon	510 ohms 1/16W	R247	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R100	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R248,249	EXBV8V103J	Block Resistor	10K ohms
R101	ERJ3GEYJ333	Carbon	33K ohms 1/16W	R250-253	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R102	ERJ3GEYJ104	Carbon	100K ohms 1/16W	R255,257	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R103	ERJ3GEYJ333	Carbon	33K ohms 1/16W	R260,262	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R104	ERJ3GEYJ752	Carbon	7.5K ohms 1/16W	R264,266	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R105	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R268,269	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R106	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R271	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R108,109	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R272	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R110	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R273	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W
R111-113	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R274	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R114	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W	R275	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R115-126	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R276	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R127	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W	R277,278	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R128-139	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R279-288	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R140,141	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R289	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R142-144	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R290	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R145,146	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R292	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R147	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R293	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R148,149	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R294	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R151,152	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R295,296	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R153,166	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R298	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R167,168	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R299-301	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R170-173	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R302	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R175,176	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R303	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R177	ERJ3GEYJ680	Carbon	68 ohms 1/16W	R304	ERJ3GEYJ684	Carbon	680K ohms 1/16W
R178-180	EXBV8V101J	Block Resistor	100 ohms	R305,306	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R181	ERJ3GEY0R00	Carbon	0 ohms 1/16W	R308	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R183,184	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R309	ERJ3GEYJ470	Carbon	47 ohms 1/16W
R185,191	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R211	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R192	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R312	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R193	ERJ3GEYJ104	Carbon	100K ohms 1/16W	R314,315	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R196	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R322-329	EXBV8V101J	Block Resistor	100 ohms
R201	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R333-335	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R203	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R338	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R204	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R339	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R205	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R341	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R206	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R347	ERJ3GEYJ100	Carbon	10 ohms 1/16W
R209	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R351,352	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R210-212	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R353,354	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R214	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R355	ERJ3GEYJ561	Carbon	560 ohms 1/16W
R216-219	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R358	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R222	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R359,360	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R226	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R363-365	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R228	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R366	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R229,231	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R367	ERJ3GEY0R00	Carbon	0 ohms 1/16W
R232-239	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R368	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R241,242	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R369	ERJ3GEYJ333	Carbon	33K ohms 1/16W



REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R371	ERJ3GEYJ561	Carbon	560 ohms 1/16W	R553	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R372	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R554	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R380,385	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R560	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R389	ERJ3GEYF560	Carbon	56 ohms 1/16W	R561-653	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R390,392	ERJ3GEYF750	Carbon	75 ohms 1/16W	R564	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R395	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R565,566	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R398,400	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R567,568	ERJ3GEYJ101	Carbon	220 ohms 1/16W
R401-408	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R570-580	EXBV8V101J	Block Resistor	100 ohms
R410-414	EXBV8VR000	Block Resistor	0 ohm	R581	EXBM16P103J	Block Resistor	10K ohms
R415	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R582-585	EXBV8V103J	Block Resistor	10K ohms
R416	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R624-630	EXBV8V101J	Block Resistor	100 ohms
R417	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R641-646	EXBV8V101J	Block Resistor	100 ohms
R429	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R647	EXBM16P103J	Block Resistor	10K ohms
R447	EXBV8V103J	Block Resistor	10K ohms	R652	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R448,449	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R6253	ERJ3GEYJ100	Carbon	10 ohms 1/16W
R451	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R654	ERJ3GEYJ181	Carbon	180 ohms 1/16W
R452-457	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R660-663	EXBV8V101J	Block Resistor	100 ohms
R459	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R668	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R460,461	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R669	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R464,465	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R681	EXBM16P103J	Block Resistor	10K ohms
R470,472	EXBV8V101J	Block Resistor	100 ohms	R682-685	EXBV8V101J	Block Resistor	100 ohms
R473	EXBV8V101J	Block Resistor	100 ohms	R688,697	EXBV8V101J	Block Resistor	100 ohms
R482	EXBM16P103J	Block Resistor	10K ohms	R698,699	EXBV8V101J	Block Resistor	100 ohms
R484-488	EXBV8V221J	Block Resistor	220 ohms	R701	ERJ14YJ751	Carbon	750 ohms 1/16W
R489,490	EXBM16P103J	Block Resistor	10K ohms	R707	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R491-494	EXBV8V221J	Block Resistor	220 ohms	R708	ERJ3GEYJ104	Carbon	100K ohms 1/16W
R495	EXBM16P103J	Block Resistor	10K ohms	R709	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R497-499	EXBV8V101J	Block Resistor	100 ohms	R710,711	ERJ3GEYJ391	Carbon	390 ohms 1/16W
R501,502	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R712	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R503	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R713	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R504-506	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R714	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R507-509	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R715,717	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R510	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R719	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R511,512	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R720	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R513	ERJ3GEYJ106	Carbon	10M ohms 1/16W	R721	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R514	ERJ3GEYJ334	Carbon	330K ohms 1/16W	R722	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W
R515,516	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R723	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R517,518	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R724	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R519-522	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R725	ERJ3GEYJ473	Carbon	47K ohms 1/16W
R523-529	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R726	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R530	ERJ3GEYJ104	Carbon	100K ohms 1/16W	R727	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R531-535	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R728	ERJ3GEYJ201	Carbon	200 ohms 1/16W
R537	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R729,730	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R538,539	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R731	ERJ3GEYJ201	Carbon	200 ohms 1/16W
R540	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R732	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R541	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R733	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R542	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R734,735	ERJ3GEYJ201	Carbon	200 ohms 1/16W
R543,544	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R736,737	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R548	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R738	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R550-552	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R739	ERJ3GEYJ101	Carbon	100 ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R740	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R809,810	ERJ3GEYJ201	Carbon	200 ohms 1/16W
R742	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R811,812	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R743	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R813	ERJ14YJ751	Carbon	750 ohms 1/16W
R744,746	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R814-816	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R747	ERJ14Y0R00	Carbon	0 ohm 1/16W	R817	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R749	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R818	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R750	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R819	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R751	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R820,822	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R752	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W	R823	ERJ14YJ100	Carbon	10 ohms 1/16W
R753	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R825	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R754	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R826	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R755	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R827	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W
R756	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R828	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R757	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R829	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R758	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R833,834	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R759,760	ERJ3GEYJ330	Carbon	33 ohms 1/16W	R835	ERJ14YJ100	Carbon	10 ohms 1/16W
R761,762	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R836	ERJ3GEYJ273	Carbon	27K ohms 1/16W
R763	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R837	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R764,765	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R838	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R766,767	ERJ3GEYJ330	Carbon	33 ohms 1/16W	R839,840	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R768	ERJ14YJ751	Carbon	750 ohms 1/16W	R841,842	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R769-771	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R843	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R772,773	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R844	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R774	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R845,846	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R775	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R847,848	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R776	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R849	ERJ14YJ751	Carbon	750 ohms 1/16W
R777,779	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R850-852	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R781	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R853	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R782	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R854	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R783	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R855	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R784	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W	R856,858	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R785	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R859	ERJ14YJ100	Carbon	10 ohms 1/16W
R786	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R861	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R787	ERJ3GEYJ273	Carbon	27K ohms 1/16W	R862	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R788	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R863	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R789	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R864	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W
R790	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R865	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R791,792	ERJ3GEYJ330	Carbon	33 ohms 1/16W	R869,870	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R793,794	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R871	ERJ14YJ100	Carbon	10 ohms 1/16W
R795	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R872	ERJ3GEYJ273	Carbon	27K ohms 1/16W
R796,797	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R873	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R798,799	ERJ3GEYJ330	Carbon	33 ohms 1/16W	R874	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R800	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R875,876	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R801	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R877,878	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R802	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R879	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R803	ERJ3GEYJ201	Carbon	200 ohms 1/16W	R880	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R804,805	ERJ3GEYJ330	Carbon	33 ohms 1/16W	R881,882	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R806	ERJ3GEYJ201	Carbon	200 ohms 1/16W	R883,884	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R807	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R885-888	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R808	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R892	ERJ3GEYJ103	Carbon	10K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R893	ERJ3GEYJ102	Carbon	1K ohms 1/16W	C5,6	EEVHA1C470P	Electrolytic	47 µF 16V
R894	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	C17	EEVHA1C220R	Electrolytic	22 µF 16V
R895	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	C18	ECEV0JA471	Electrolytic	470 µF 6.3V
R896	ERJ3GEYJ474	Carbon	470K ohms 1/16W	C35	EEVHA1C220R	Electrolytic	22 µF 16V
R897-900	ERJ3GEYJ102	Carbon	1K ohms 1/16W	C36	ECEV0JA471	Electrolytic	470 µF 6.3V
R901,902	ERJ3GEYJ680	Carbon	68 ohms 1/16W	C37	EEVHA1C470P	Electrolytic	47 µF 16V
R903,904	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C56	EEVHA1C220R	Electrolytic	22 µF 16V
R907	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C57	ECEV0JA471	Electrolytic	470 µF 6.3V
R910	ERJ3GEYJ471	Carbon	470 ohms 1/16W	C58	EEVHA1C220R	Electrolytic	22 µF 16V
R911,912	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	C59	ECEV0JA471	Electrolytic	470 µF 6.3V
R913	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C60,73	EEVHA1C470P	Electrolytic	47 µF 16V
R916-918	ERJ14YJ100	Carbon	10 ohms 1/16W	C74	EEVHA1H2R2R	Electrolytic	2.2 µF 50V
R919	ERDS2TJ470	Carbon	47 ohms 1/16W	C83,84	EEVHA1C470P	Electrolytic	47 µF 16V
R920	ERDS2TJ101	Carbon	100 ohms 1/16W	C126	EEVHA1C470P	Electrolytic	47 µF 16V
R936,937	ERJ3GEYJ225	Carbon	2.2M ohms 1/16W	C127	EEVHA1H2R2R	Electrolytic	2.2 µF 50V
R939,946	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C145,148	ECEV1CA101	Electrolytic	100 µF 16V
R947	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C150,175	EEVHA1C470P	Electrolytic	47 µF 16V
R948	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C199	EEVHA1C220R	Electrolytic	22 µF 16V
R949	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C200	EEVHA1C470P	Electrolytic	47 µF 16V
R952	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C247,250	ECEV1CA101	Electrolytic	100 µF 16V
R953,955	ERJ3GEYJ102	Carbon	1K ohms 1/16W	C251,327	EEVHA1C470P	Electrolytic	47 µF 16V
R956-958	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C332,333	EEVHA1C470P	Electrolytic	47 µF 16V
R961	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C343,352	ECST1AY106ZR	Tantalum	10 µF 10V
R963	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C363,364	ECST1AX226ZR	Tantalum	10 µF 10V
R965,966	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C368,369	ECST1AX226ZR	Tantalum	10 µF 10V
R967	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C371	EEVHA1C470P	Electrolytic	47 µF 16V
R968-970	ERJ3GEY0R00	Carbon	0 ohm 1/16W	C379	ECST1CX106ZR	Tantalum	10 µF 16V
R971	ERJ3GEYJ221	Carbon	220 ohms 1/16W	C390	EEVHA1C220R	Electrolytic	22 µF 16V
R972	ERJ3GEYJ105	Carbon	1M ohms 1/16W	C402	EEVHA1C470P	Electrolytic	47 µF 16V
R973	ERJ3GEYJ331	Carbon	330 ohms 1/16W	C405	ECST1AX226ZR	Tantalum	10 µF 10V
R974	ERJ3GEYJ221	Carbon	220 ohms 1/16W	C406,409	ECEV1CA101	Electrolytic	100 µF 16V
R975	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C425,428	ECST1EC106ZR	Electrolytic	10 µF 25V
R976	ERJ3GEYJ221	Carbon	220 ohms 1/16W	C431	ECST1CX106ZR	Tantalum	10 µF 16V
R977	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C459	EEVHA1C470P	Electrolytic	47 µF 16V
R978	ERJ3GEYJ511	Carbon	510 ohms 1/16W	C460	ECST1AX226ZR	Tantalum	10 µF 10V
R979	ERJ3GEYJ333	Carbon	33K ohms 1/16W	C461,463	EEVHA1C470P	Electrolytic	47 µF 16V
R980	ERJ3GEYJ104	Carbon	100K ohms 1/16W	C464	EEVHA1C470P	Electrolytic	47 µF 16V
R981	ERJ3GEYJ331	Carbon	330 ohms 1/16W	C466,469	ECEV1CA101	Electrolytic	100 µF 16V
R982	ERJ3GEYJ752	Carbon	7.5K ohms 1/16W	C474	EEVHA1E470P	Electrolytic	47 µF 25V
R983	ERJ3GEYJ221	Carbon	220 ohms 1/16W	C485-487	EEVHA1C100R	Electrolytic	10 µF 16V
R984	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C499,700	ECST1EC106ZR	Electrolytic	10 µF 25V
R985	ERJ3GEYJ333	Carbon	33K ohms 1/16W	C501,504	ECEV1CA101	Electrolytic	100 µF 16V
R986	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W	C505,508	ECEV1CA101	Electrolytic	100 µF 16V
R987-999	ERJ3GEYJ221	Carbon	220 ohms 1/16W	C509,512	ECEV1CA101	Electrolytic	100 µF 16V
VR436	ST4TG203	Variable Resistor	20K ohms	C603	ECST1AY225ZR	Tantalum	2.2 µF 10V
VR437	EVM1DSW30B14	Variable Resistor	10K ohms	C604,606	EEVHA1C470P	Electrolytic	47 µF 16V
VR439-443	EVM1DGA00B13	Variable Resistor	1K ohms	C626,628	EEVHA1C470P	Electrolytic	47 µF 16V
VR444,445	EVM1DSW30BE3	Variable Resistor	2.2K ohms	C630,639	EEVHA1C470P	Electrolytic	47 µF 16V
VR446	EVM1DSW30B23	Variable Resistor	2K ohms	C694	EEVHA1C470P	Electrolytic	47 µF 16V
C1,4	ECEV1CA101	Electrolytic	100 µF 16V	C701	EEVHA1E470P	Electrolytic	47 µF 25V



REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
C704	EEVHA1C470P	Electrolytic	47 µF 16V	C987,990	ECST1EC106ZR	Electrolytic	10 µF 25V
C705,708	EEVHA1E470P	Electrolytic	47 µF 25V	C988	ECEV1AAN330P	Electrolytic	33 µF 10V
C709,712	EEVHA1C470P	Electrolytic	47 µF 16V	L1	YWCD75100KC	Coil	
C713	EEVHB0J470R	Electrolytic	47 µF 6.3V	L2-4	ELJFA1R0KF	Coil	
C715	ECEV1CA101	Electrolytic	100 µF 16V	L5	ELJPA1R0MF	Coil	
C716	EEVHA1C470P	Electrolytic	47 µF 16V	L10,11	ELJFA1R0KF	Coil	
C717	ECEV1CA101	Electrolytic	100 µF 16V	L17	YWCD75100KC	Coil	
C718,720	EEVHA1C470P	Electrolytic	47 µF 16V	L18	ELJFA1R0KF	Coil	
C722	EEVHA1E470P	Electrolytic	47 µF 25V	L202	YWCD75100KC	Coil	
C723	EEVHA1C470P	Electrolytic	47 µF 16V	L201	ELJFA1R0KF	Coil	
C725	EEVHB0J470R	Electrolytic	47 µF 6.3V	L203,204	ELJFA1R0KF	Coil	
C727	ECEV1CA101	Electrolytic	100 µF 16V	L207,214	ELJFA1R0KF	Coil	
C728	EEVHA1C470P	Electrolytic	47 µF 16V	L208-213	ELJFA1R0KF	Coil	
C729	ECEV1CA101	Electrolytic	100 µF 16V	L221,501	ELJFA1R0KF	Coil	
C730,732	EEVHA1C470P	Electrolytic	47 µF 16V	L502,503	YWCD75100KC	Coil	
C734	EEVHA1E470P	Electrolytic	47 µF 25V	L504-508	ELJFA1R0KF	Coil	
C735	EEVHA1C470P	Electrolytic	47 µF 16V	L701	YWCD75100KC	Coil	
C736	EEVHA1C220R	Electrolytic	22 µF 16V	L702-718	ELJFA1R0KF	Coil	
C738	ECEV1CA101	Electrolytic	100 µF 16V	L719	ELJFA121KF	Coil	
C739,741	EEVHA1C470P	Electrolytic	47 µF 16V	L720	ELJFA150KF	Coil	
C743	EEVHA1C470P	Electrolytic	47 µF 16V	L721	ELJFA1R0KF	Coil	
C745	ECEV1CA101	Electrolytic	100 µF 16V	L730	ELJFA680KF	Coil	
C746,748	EEVHA1C470P	Electrolytic	47 µF 16V	L731,733	ELJFA1R0KF	Coil	
C750	EEVHA1E470P	Electrolytic	47 µF 25V	L734-741	ELJFA1R0KF	Coil	
C751	EEVHA1C470P	Electrolytic	47 µF 16V	L744	ELJFA1R0KF	Coil	
C752,753	ECEV1CA101	Electrolytic	100 µF 16V	L745,746	ELJFA330KF	Coil	
C754	EEVHA1C470P	Electrolytic	47 µF 16V	L747	ELJFA100KF	Coil	
C755	ECEV1AAN330P	Electrolytic	33 µF 10V	S1,2	YWCHS08TB	Special Switch	
C756,757	ECEV1CA101	Electrolytic	100 µF 16V	X201	YWDX17R734	Crystal Oscillator	
C759,760	EEVHA1C470P	Electrolytic	47 µF 16V	X202	YWDX27R000	Crystal Oscillator	
C762	EEVHA1C470P	Electrolytic	47 µF 16V	X501	YWDMX38	Crystal Oscillator	
C764	EEVHA1E470P	Electrolytic	47 µF 25V	CF701	YWCY4W057	Filter	
C765	EEVHA1C470P	Electrolytic	47 µF 16V	CF702	YWCY4W058	Filter	
C766,767	ECEV1CA101	Electrolytic	100 µF 16V	CF704,705	YWCY4T058	Filter	
C768	EEVHA1C470P	Electrolytic	47 µF 16V	CN1	8817140L	140-pin Connector	
C769	ECEV1AAN330P	Electrolytic	33 µF 10V	CN2	8817120L	120-pin Connector	
C770,771	ECEV1CA101	Electrolytic	100 µF 16V	CN3	KIKA60A00052	6-pin Connector	
C773,774	EEVHA1C470P	Electrolytic	47 µF 16V	CN4	KIKA60A00052	6-pin Connector	
C776,778	EEVHA1C470P	Electrolytic	47 µF 16V	CN5,6	KIKA60A00031	6-pin Connector	
C782	EEVHA1E4R7R	Electrolytic	4.7 µF 25V	CN7	KIKA20A00137	20-pin Connector	
C783	ECEV0JA470	Electrolytic	47 µF 6.3V	CN8	KIKA20B00073	20-pin Connector	
C784,785	EEVHA0J101P	Electrolytic	100 µF 6.3V				
C788	EEVHA1C470P	Electrolytic	47 µF 16V				
C790,792	EEVHA1E470P	Electrolytic	47 µF 25V				
C794,796	EEVHA1C470P	Electrolytic	47 µF 16V				
C798	EEVHA1E470P	Electrolytic	47 µF 25V				
C803	EEVHA1C470P	Electrolytic	47 µF 16V				
C820-822	ECST1AC336ZR	Tantalum	33 µF 10V				
C844,861	EEVHA1C470P	Electrolytic	47 µF 16V				
C983,85	ECEV1CA101	Electrolytic	100 µF 16V				



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
INPUT BOARD					
PCB5 (RTL)	YWY2000EKZ2A	Printed Circuit Board Ass'y	Q1,3	MSB709-QRS	Transistor
U1	UL1A498A	IC	Q4,5	MSD601-QRS	Transistor
U3	C0JBA000057	IC	Q6	MSB709-QRS	Transistor
U4,5	MC74HC574AF	IC	Q201	MSD601-QRS	Transistor
U7,8	C0JBAH000012	IC	Q202	MSB709-QRS	Transistor
U9	YWM51953BFP	IC	Q203-205	MSD601-QRS	Transistor
U11	MC74HC4053F	IC	Q206	MSB709-QRS	Transistor
U12	YWM5M34050FP	IC	Q207-213	MSD601-QRS	Transistor
U14	MC74HC125AF	IC	Q214	MSB709-QRS	Transistor
U18	YWMC74HC175F	IC	Q215	MSD601-QRS	Transistor
U19	MC74HC574AF	IC	Q216	MSB709-QRS	Transistor
U21	YWPD65636055	IC	Q217	MSD601-QRS	Transistor
U22	YFNJM311M	IC	Q218	MSB709-QRS	Transistor
U25	YWM5M34050FP	IC	Q219	MSD601-QRS	Transistor
U201	NJM2904M	IC	Q220	MSB709-QRS	Transistor
U202	YWM51271FP	IC	Q221	MSD601-QRS	Transistor
U203	YWCXD1175AM	IC	Q222-225	MSB709-QRS	Transistor
U204	C0JBAB000057	IC	Q226-254	MSD601-QRS	Transistor
U205	YWCXD2105AQ	IC	Q255	MSB709-QRS	Transistor
U206	YWNJM2235M	IC	Q256-259	MSD601-QRS	Transistor
U207	YWNJM2233BM	IC	Q261,262	MSD601-QRS	Transistor
U210,211	MC74HC4053F	IC	Q263	MSB709-QRS	Transistor
U214	YWM51271FP	IC	Q264-267	MSD601-QRS	Transistor
U218	YWNJM3403AM	IC	Q269,270	MSD601-QRS	Transistor
U219	NJM2904M	IC	Q271	MSB709-QRS	Transistor
U220-222	YWNJM2235M	IC	Q272-274	MSD601-QRS	Transistor
U223	YWCXA1211M	IC	Q275	MSB709-QRS	Transistor
U224	YWM62352GP	IC	Q277,281	MSD601-QRS	Transistor
U226	YWCXD1175AM	IC	Q282-289	MSD601-QRS	Transistor
U227	MC74HC574AF	IC	Q290-294	MSB709-QRS	Transistor
U229	YWCXD1175AM	IC	D1,2	YWHVU362TRF	Variable Capacitance Diode
U230	MC74HC574AF	IC	D3,201	YWDAN212K	Diode
U232	C0CBADC00012	IC	R8-11	ERJ3GEYJ101	Carbon 100 ohms 1/16W
U233	YWNJM3403AM	IC	R13	ERJ3GEYJ103	Carbon 10K ohms 1/16W
U234	MC74HC4053F	IC	R14	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
U235	YWCXD1175AM	IC	R55,56	ERJ3GEYJ101	Carbon 100 ohms 1/16W
U236,237	YWMC74AC157M	IC	R60-63	ERJ3GEYJ101	Carbon 100 ohms 1/16W
U239	YWMC74AC08M	IC	R64-66	ERJ3GEYJ221	Carbon 220 ohms 1/16W
U240,241	MC74HC573AF	IC	R67-69	ERJ3GEYJ101	Carbon 100 ohms 1/16W
U242,243	YWNJM7805FA	IC	R72	ERJ3GEYJ752	Carbon 7.5K ohms 1/16W
U244	YWNJM2246M	IC	R73	ERJ3GEYJ511	Carbon 510 ohms 1/16W
U245	C0CBADC00012	IC	R74	ERJ3GEYJ332	Carbon 3.3K ohms 1/16W
U248	MC74HC574AF	IC	R75	ERJ3GEYJ103	Carbon 10K ohms 1/16W
U250	MC74HC125AF	IC	R77	ERJ3GEYJ101	Carbon 100 ohms 1/16W
U252	MC74HC574AF	IC	R78	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
			R80	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R81,82	ERJ3GEYJ222	Carbon 2.2K ohms 1/16W
			R83,84	ERJ3GEYJ100	Carbon 10 ohms 1/16W
			R85	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R86	ERJ3GEYJ680	Carbon 68 ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R87	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R215	ERJ14YJ470	Carbon	47 ohms 1/16W
R88	ERJ3GEYJ914	Carbon	910K ohms 1/16W	R216	ERJ3GEYJ474	Carbon	470K ohms 1/16W
R89	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R219	ERJ3GEYJ911	Carbon	910 ohms 1/16W
R90	ERJ3GEYJ104	Carbon	100K ohms 1/16W	R220	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R91	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R221	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W
R92	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R222	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R93	ERJ3GEYJ104	Carbon	100K ohms 1/16W	R226	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R94	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R227	ERJ3GEYJ391	Carbon	390 ohms 1/16W
R96,97	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R228	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R99,100	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R229,230	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R102	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R231	ERJ3GEYJ393	Carbon	39K ohms 1/16W
R103-113	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R232	ERJ3GEYJ433	Carbon	43K ohms 1/16W
R130	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R233	ERJ3GEYJ391	Carbon	390 ohms 1/16W
R131-133	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R234	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R134-137	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R236	ERJ3GEYJ754	Carbon	750K ohms 1/16W
R138,139	EXBV8V101J	Block Resistor	100 ohms	R237	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R140,150	EXBV8V103J	Block Resistor	10K ohms	R241	ERJ3GEYJ183	Carbon	18K ohms 1/16W
R151	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R242,243	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R152-156	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R244	ERJ3GEYJ754	Carbon	750K ohms 1/16W
R157,158	EXBV8V103J	Block Resistor	10K ohms	R245	ERJ3GEYJ512	Carbon	5.1K ohms 1/16W
R159,160	EXBV8V101J	Block Resistor	100 ohms	R246	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R161-168	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R247	ERJ3GEYJ620V	Carbon	62 ohms 1/16W
R169,170	EXBV8V101J	Block Resistor	100 ohms	R248	ERJ3GEYJ151	Carbon	150 ohms 1/16W
R171,172	EXBV8V103J	Block Resistor	10K ohms	R250	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W
R173	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R252	ERJ3GEYJ273	Carbon	27K ohms 1/16W
R174	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R253	ERJ3GEYJ392	Carbon	3.9K ohms 1/16W
R175	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R254	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R176	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R255	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R177-180	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R256	ERJ3GEYJ105	Carbon	1M ohms 1/16W
R181,182	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R258,259	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R183,184	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R261,264	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R185	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W	R265,267	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R186,187	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R269,270	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R188,189	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R271	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R190	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R273	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R191	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R274,275	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W
R192	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R276	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R193	EXBV8V103J	Block Resistor	10K ohms	R278,279	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R194,195	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R280	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R196-199	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R281	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R200	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R282	ERJ3GEYJ391	Carbon	390 ohms 1/16W
R201	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R283	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R202,203	ERJ3GEYJ391	Carbon	390 ohms 1/16W	R284	ERJ3GEYJ474	Carbon	470K ohms 1/16W
R204	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R285	ERJ3GEYJ391	Carbon	390 ohms 1/16W
R205	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R286	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R206	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R287,288	ERJ3GEYJ474	Carbon	470K ohms 1/16W
R207,210	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R289	ERJ3GEYJ100	Carbon	10 ohms 1/16W
R212	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R290	ERJ3GEYJ331	Carbon	330 ohms 1/16W
R213	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R292,293	ERJ3GEYJ223	Carbon	22K ohms 1/16W
R214	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R294	ERJ3GEYJ102	Carbon	1K ohms 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R295	ERJ3GEYJ221	Carbon	220 ohms 1/16W	R363	ERJ3GEYJ620V	Carbon	62 ohms 1/16W
R296-298	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R364	ERJ3GEYJ151	Carbon	150 ohms 1/16W
R299	ERJ3GEYJ100	Carbon	10 ohms 1/16W	R365	ERJ3GEYJ273	Carbon	27K ohms 1/16W
R300,301	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R367	ERJ3GEYJ203	Carbon	20K ohms 1/16W
R302,303	ERJ3GEYJ391	Carbon	390 ohms 1/16W	R369	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R314	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R370	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R315	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R371	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R316	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R372	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R317	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R374	ERJ14YJ470	Carbon	47 ohms 1/16W
R318	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R376	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R319	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R377	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R320	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R378,379	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R321	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R380	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R322	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R381	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R323	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R382,385	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R324	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R387	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R325	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R388,389	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R326	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R390	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R327	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R391	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W
R328	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R392	ERJ14YJ470	Carbon	47 ohms 1/16W
R329	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R393	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W
R330	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R394	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R331	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R395	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R332	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R401-403	ERJ3GEYJ510	Carbon	51 ohms 1/16W
R333	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R412	ERJ3GEYJ151	Carbon	150 ohms 1/16W
R334	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R413	ERJ3GEYJ511	Carbon	510 ohms 1/16W
R335	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R415	ERJ3GEYJ682	Carbon	6.8K ohms 1/16W
R336	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R416	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R337	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R417-419	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R338	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R426-428	ERJ3GEYJ474	Carbon	470K ohms 1/16W
R339	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R429-432	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R340	ERJ3GEYJ753	Carbon	75K ohms 1/16W	R433	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R341	ERJ3GEYJ122	Carbon	1.2K ohms 1/16W	R434	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R342	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R435,438	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R343	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R440	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R344	ERJ3GEYJ104	Carbon	100K ohms 1/16W	R441	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R345	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R442	ERJ3GEYJ511	Carbon	510 ohms 1/16W
R346	ERJ3GEYJ561	Carbon	560 ohms 1/16W	R443	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R347	ERJ3GEYJ393	Carbon	39K ohms 1/16W	R444	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R348	ERJ3GEYJ433	Carbon	43K ohms 1/16W	R445	ERJ3GEYJ821	Carbon	820 ohms 1/16W
R349	ERJ3GEYJ391	Carbon	390 ohms 1/16W	R446-448	ERJ3GEYJ474	Carbon	470K ohms 1/16W
R350	ERJ14YJ470	Carbon	47 ohms 1/16W	R449-452	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R352	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R453	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R353	ERJ3GEYJ754	Carbon	750K ohms 1/16W	R454	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R354	ERJ3GEYJ223	Carbon	22K ohms 1/16W	R455,458	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R358	ERJ3GEYJ473	Carbon	47K ohms 1/16W	R460	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R359	ERJ3GEYJ202	Carbon	2K ohms 1/16W	R461	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R360	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R462	ERJ3GEYJ511	Carbon	510 ohms 1/16W
R361	ERJ3GEYJ754	Carbon	750K ohms 1/16W	R463	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R362	ERJ3GEYJ512	Carbon	5.1K ohms 1/16W	R464	ERJ3GEYJ103	Carbon	10K ohms 1/16W



REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R465	ERJ3GEYJ821	Carbon	820 ohms 1/16W	R648	ERJ3GEYJ474	Carbon	470K ohms 1/16W
R466-468	ERJ3GEYJ474	Carbon	470K ohms 1/16W	R649,651	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R469-472	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R652,661	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R480-482	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R662,663	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R483	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R664	ERJ3GEYJ474	Carbon	470K ohms 1/16W
R484	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R665	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R485,488	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R666	ERJ14YJ100	Carbon	10 ohms 1/16W
R490	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R667	ERJ14YJ330H	Carbon	33 ohms 1/16W
R491	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R670,671	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R492	ERJ3GEYJ511	Carbon	510 ohms 1/16W	R672	ERJ3GEYJ470	Carbon	47 ohms 1/16W
R493	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R673	ERJ3GEYJ151	Carbon	150 ohms 1/16W
R494	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R678,700	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R495	ERJ3GEYJ511	Carbon	510 ohms 1/16W	R701	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R496	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R708	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R499-506	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R709,710	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R510-517	ERJ3GEYJ560	Carbon	56 ohms 1/16W	R711,712	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R518-543	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R713,714	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R544	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R715,716	ERJ3GEYJ150	Carbon	15 ohms 1/16W
R547-556	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R717,718	ERJ3GEYJ330	Carbon	33 ohms 1/16W
R557	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R719	ERJ3GEYJ681	Carbon	680 ohms 1/16W
R558	ERJ14YJ470	Carbon	47 ohms 1/16W	R720	ERJ3GEYJ121	Carbon	120 ohms 1/16W
R559	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R721	ERJ3GEYJ681	Carbon	680 ohms 1/16W
R560	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R722	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R561	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R723	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R562	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R724	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R563,564	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R726	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R565	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R727,728	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R566,567	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R729	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W
R568	ERJ3GEYJ912	Carbon	9.1K ohms 1/16W	R730,731	ERJ3GEYJ150	Carbon	15 ohms 1/16W
R569	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W	R732	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R570	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R733	ERJ3GEYJ221	Carbon	220 ohms 1/16W
R571	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R734	ERJ3GEYJ102	Carbon	1K ohms 1/16W
R572	ERJ3GEYJ471	Carbon	470 ohms 1/16W	R737,738	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R573,574	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R739	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R575	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R740	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R576,577	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R741-743	EXBV8V103J	Block Resistor	10K ohms
R578-583	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R744-746	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R588,589	ERJ3GEYJ510	Carbon	51 ohms 1/16W	R752	ERJ3GEYJ103	Carbon	10K ohms 1/16W
R594-610	ERJ3GEYJ101	Carbon	100 ohms 1/16W	R753-754	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R611,613	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R755	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R616	ERJ3GEY0R00	Carbon	0 ohm 1/16W	R760	EXBV8V103J	Block Resistor	10K ohms
R617	ERJ3GEYJ103	Carbon	10K ohms 1/16W	R761,762	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R618-630	ERJ3GEYJ391	Carbon	390 ohms 1/16W	R763-772	EXBV8V101J	Block Resistor	100 ohms
R631-634	L311J103J332	Carbon	3.3K ohms	R773-776	EXBV8V103J	Block Resistor	10K ohms
R635	ERJ3GEYJ512	Carbon	5.1K ohms 1/16W	R777-789	EXBV8V101J	Block Resistor	100 ohms
R636	ERJ3GEYJ222	Carbon	2.2K ohms 1/16W	R790,791	ERJ3GEY0R00	Carbon	0 ohm 1/16W
R637	ERJ3GEYJ332	Carbon	3.3K ohms 1/16W	R793,797	EVM1DSW30BY2	Variable Resistor	
R638	ERJ3GEYJ331	Carbon	330 ohms 1/16W	R809-811	EVM1DSW30BY2	Variable Resistor	
R639,641	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R813-820	ERJ3GEYJ101	Carbon	100 ohms 1/16W
R642	ERJ3GEYJ102	Carbon	1K ohms 1/16W	R822	ERJ3GEYJ472	Carbon	4.7K ohms 1/16W



REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R823-831	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C287,288	ECEV1CA470P	Electrolytic	47 µF 16V
R832	ERJ3GEYJ101	Carbon	100 ohms 1/16W	C293,294	ECEV1EA101	Electrolytic	100 µF 25V
R833,834	ERJ3GEYJ103	Carbon	10K ohms 1/16W	C296-298	ECEV1EA101	Electrolytic	100 µF 25V
R794	EVM1DSW30B54	Variable Resistor	50K ohms	C301-304	ECEV1EA101	Electrolytic	100 µF 25V
R795	EVM1DGA00B24	Variable Resistor	20K ohms	C309,310	EEVHA1H1R0R	Electrolytic	1 µF 50V
R796	EVM1DSW30B34	Variable Resistor	30K ohms	C311	EEVHA1HR47R	Electrolytic	0.47 µF 50V
R798	EVM1DSW30BQ3	Variable Resistor	4.7K ohms	C315,318	ECST1EC106ZR	Electrolytic	10 µF 25V
R799,800	EVM1DSW30B54	Variable Resistor	50K ohms	C322	EEVHA1E4R7R	Electrolytic	4.7 µF 25V
R801	EVM1DSW30B34	Variable Resistor	30K ohms	C325	EEVHA1H1R0R	Electrolytic	1 µF 50V
R802	EVM1DSW30BE2	Variable Resistor	2.2K ohms	C327	ECEV0JA470	Electrolytic	47 µF 6.3V
R804-808	EVM1DSW30BQ3	Variable Resistor	4.7K ohms	C329	EEVHA1H1R0R	Electrolytic	1 µF 50V
R812	EVM1DSW30BE3	Variable Resistor	2.2K ohms	C337	ECEV1EA101	Electrolytic	100 µF 25V
C1,4	ECEV1EA101	Electrolytic	100 µF 25V	C338	ECEV1CA470P	Electrolytic	47 µF 16V
C5,8	ECEV1EA101	Electrolytic	100 µF 25V	C339	ECEV1EA101	Electrolytic	100 µF 25V
C21,48	ECEV1CA470P	Electrolytic	47 µF 16V	C340	ECA1EM471	Electrolytic	470 µF 25V
C49,50	EEVHA1A221P	Electrolytic	220 µF 10V	C344	ECEV1CA470P	Electrolytic	47 µF 16V
C57,58	ECEV1CA470P	Electrolytic	47 µF 16V	C345	ECEV1EA101	Electrolytic	100 µF 25V
C86,93	ECEV1CA470P	Electrolytic	47 µF 16V	C346	ECEV1CA470P	Electrolytic	47 µF 16V
C94	EEVHA1H2R2R	Electrolytic	2.2 µF 50V	C347,350	ECST1EC106ZR	Electrolytic	10 µF 25V
C102	ECEV1EA101	Electrolytic	100 µF 25V	C351	ECEV1CA470P	Electrolytic	47 µF 16V
C104	EEVHA1C100R	Electrolytic	10 µF 16V	C352	ECA1EM471	Electrolytic	470 µF 25V
C132	ECEV1CA470P	Electrolytic	47 µF 16V	C361	ECEV1EA101	Electrolytic	100 µF 25V
C135	EEVHA1H1R0R	Electrolytic	1 µF 50V	C363,364	ECEV1AA330P	Electrolytic	33 µF 10V
C156	ECEV1CA470P	Electrolytic	47 µF 16V	C365-367	EEVHP1C100R	Electrolytic	100 µF 16V
C201,204	ECEV1EA101	Electrolytic	100 µF 25V	C369	ECEV1CA470P	Electrolytic	47 µF 16V
C205	ECEV1CA470P	Electrolytic	47 µF 16V	C371	ECEV1EA101	Electrolytic	100 µF 25V
C206	EEVHA1E470P	Electrolytic	47 µF 25V	C373	ECST1VX225ZR	Electrolytic	2.2 µF 35V
C207	ECEV1CA470P	Electrolytic	47 µF 16V	C374	ECEV0JA470	Electrolytic	47 µF 6.3V
C209	ECA1EM471	Electrolytic	470 µF 25V	C376-378	EEVHP1C100R	Electrolytic	100 µF 16V
C210	ECEV1EA101	Electrolytic	100 µF 25V	C380	ECEV1CA470P	Electrolytic	47 µF 16V
C211	EEVHA1E4R7R	Electrolytic	4.7 µF 25V	C382	ECEV1EA101	Electrolytic	100 µF 25V
C212	ECEV0JA470	Electrolytic	47 µF 6.3V	C384	ECST1VX225ZR	Electrolytic	2.2 µF 35V
C213	ECEV1EA101	Electrolytic	100 µF 25V	C385	ECEV0JA470	Electrolytic	47 µF 6.3V
C214	ECEV1CA470P	Electrolytic	47 µF 16V	C387-389	EEVHP1C100R	Electrolytic	100 µF 16V
C218,219	ECEV1AA330P	Electrolytic	33 µF 10V	C391	ECEV0JAN470P	Electrolytic	47 µF 6.3V
C220,222	ECST1AY106ZR	Tantalum	10 µF 10V	C393	ECEV1CA470P	Electrolytic	47 µF 16V
C229	EEVHA1H1R0R	Electrolytic	1 µF 50V	C396	ECEV1AA330P	Electrolytic	33 µF 10V
C230	EEVHA1HR47R	Electrolytic	0.47 µF 50V	C412	ECEV1EA101	Electrolytic	100 µF 25V
C231	EEVHA1H1R0R	Electrolytic	1 µF 50V	C415	ECEV0JA470	Electrolytic	47 µF 6.3V
C237	EEVHA1E4R7R	Electrolytic	4.7 µF 25V	C418,420	ECST1AY106ZR	Tantalum	10 µF 10V
C240	EEVHA1H1R0R	Electrolytic	1 µF 50V	C425	EEVHA1C100R	Electrolytic	10 µF 16V
C242	ECEV0JA470	Electrolytic	47 µF 6.3V	C440,442	ECST1AY106ZR	Tantalum	10 µF 10V
C244	EEVHA1H1R0R	Electrolytic	1 µF 50V	C465	ECEV1CA470P	Electrolytic	47 µF 16V
C251,253	ECST1CX106ZR	Tantalum	10 µF 16V	C466-469	ECEV1EA101	Electrolytic	100 µF 25V
C260,261	ECST1AY106ZR	Tantalum	10 µF 10V	C474	ECEV1CA470P	Electrolytic	47 µF 16V
C272,273	ECST1AY106ZR	Tantalum	10 µF 10V	C475,477	ECEV1EA101	Electrolytic	100 µF 25V
C275	ECEV1EA101	Electrolytic	100 µF 25V	C478	ECEV1CA470P	Electrolytic	47 µF 16V
C276,277	ECEV1CA470P	Electrolytic	47 µF 16V	C480	ECEV1EA101	Electrolytic	100 µF 25V
C278-280	EEVHP1C100R	Electrolytic	100 µF 16V	C486,488	ECST1AY106ZR	Tantalum	10 µF 10V
C284,286	ECST1AY106ZR	Tantalum	10 µF 10V	C500,503	ECEV1CA470P	Electrolytic	47 µF 16V

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION
C504,507	ECEV1CA470P	Electrolytic	47 $\mu$ F 16V			
C513	ECEV1CA470P	Electrolytic	47 $\mu$ F 16V			
C515,516	ECEV0JAN470P	Electrolytic	47 $\mu$ F 6.3V			
C522	ECST1AC336ZR	Tantalum	33 $\mu$ F 10V			
C523	ECST1EC106ZR	Tantalum	25 $\mu$ F 10V			
C524,525	ECST1AY106ZR	Tantalum	10 $\mu$ F 10V			
C527,530	ECST1EC106ZR	Tantalum	25 $\mu$ F 10V			
C531	ECST1AC336ZR	Tantalum	33 $\mu$ F 10V			
C533,534	ECST1CX106ZR	Tantalum	10 $\mu$ F 16V			
C535,538	ECEV1EA101	Electrolytic	100 $\mu$ F 25V			
C539	ECEV1CA470P	Electrolytic	47 $\mu$ F 16V			
C546	EEVHA1C100R	Electrolytic	10 $\mu$ F 25V			
L1,2	YWCD75100KC	Coil				
L3-9	ELJFA1R0KF	Coil				
L201	YWCD75100KC	Coil				
L202-204	ELJFA1R0KF	Coil				
L205	ELJFA8R2KB	Coil				
L206	ELJFA180KB	Coil				
L207	ELJFA6R8KF	Coil				
L208,210	ELJFA1R0KF	Coil				
L212,213	ELJFA1R0KF	Coil				
L214	ELJFA101KF	Coil				
L215-217	ELJFA1R0KF	Coil				
L219-224	ELJFA1R0KF	Coil				
L225	ELJFA101KF	Coil				
L227	ELJFA470KF	Coil				
L228	ELJFA1R0KF	Coil				
L229,230	ELJFA101KF	Coil				
L231,232	ELJFA1R0KF	Coil				
L233	YWCD75100KC	Coil				
L234	ELJFA101KF	Coil				
CF201	YWCY4W057	Filter				
CF202	YWCY4W058	Filter				
CF203	YWCY4W057	Filter				
CF204	YWCY4W058	Filter				
CF206	YWCY4W057	Filter				
CF207	YWCY4W058	Filter				
CF206,210	YWCY4T058	Filter				
FL1	YWCSACS1600T	Ceramic Filter				
RT1	L311J332G502	Thermo Sensing Resistor				
Y201,202	YWDX17R734	Crystal Oscillator				
P1	YW8817140L	140-pin Connector				
P2	YW8817120L	120-pin Connector				
TP1,11	YWRCT2125TPV	Terminal Pin				
TP12	D0YDR0000011	Terminal Pin				
TP13	K4BK08E00001	Terminal Pin				
TP13-15	D0YDR0000011	Terminal Pin				
TP20-43	D0YDR0000011	Terminal Pin				
TP218-225	YWRCS3216TPV	Test Point				
				AUDIO BOARD		
				PCB6 (RTL)	YWY2000EKZ1A	Printed Circuit Board Ass'y
				U5	YWCY7C18515V	IC
				U6	C0JBZ000139	IC
				U7	YWAK5339VS	IC
				U15	NJM2068MD	IC
				U16	C0JBAN000014	IC
				U17,18	YWNJU201AM	IC
				U19-22	NJM2068MD	IC
				U23	YWMC74AC00M	IC
				U26	YWBH9595FPY	IC
				U27	YW16V8AV04A	IC
				U28	C0JBAE000022	IC
				U30,31	NJM2068MD	IC
				U32-35	YWNJM4556AM	IC
				U36	NJM2068MD	IC
				U37	YWM51953BFP	IC
				U38,39	NJM2068MD	IC
				U40	C0JBAF000039	IC
				U42	YWAK4328VS	IC
				U43	C0JBAC000047	IC
				U44	C0JBAA000031	IC
				U50	C0JBZ000126	IC
				U51,52	C0JBAB000057	IC
				U53	MB86604LPVVG	IC
				U54	C0JBAF000045	IC

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
U61,62	C0JBAH000012	IC	R4,5	ERJ6GEYJ221	Carbon 220 ohms 1/16W
U66	C0JBAQ000018	IC	R6	ERJ6GEY0R00	Carbon 0 ohm 1/16W
U67	TMS57070FFT	IC	R7	ERJ6GEYJ221	Carbon 220 ohms 1/16W
U68	YWMB8118165B	IC	R8	ERJ6GEYJ510	Carbon 51 ohms 1/16W
U71	UPD65806080	IC	R9-12	ERJ6GEYJ101	Carbon 100 ohms 1/16W
U72	YWMB8118165B	IC	R14,16	ERJ6GEYJ103	Carbon 10K ohms 1/16W
U73,74	C0JBAB000057	IC	R17	ERJ6GEY0R00	Carbon 0 ohm 1/16W
U75	C0JBAZ000139	IC	R18	ERJ6GEYJ103	Carbon 10K ohms 1/16W
U102	C0JBAZ000159	IC	R19	ERJ6GEYJ101	Carbon 100 ohms 1/16W
U105	YWBH3532FS	IC	R24,25	ERJ6GEYJ510	Carbon 51 ohms 1/16W
U106,107	C0JBAB000057	IC	R28	ERJ6GEYJ101	Carbon 100 ohms 1/16W
U113	NJM2068MD	IC	R33	YWR1220P473D	Metal 47K ohms
U121-126	C0JBAH000012	IC	R34	YWR1220P562D	Metal 5.6K ohms
U127	C0JBAA000031	IC	R35	YFR1220P203D	Metal 20K ohms
U128	C0JBAB000057	IC	R36	YFR1220P104D	Metal 100K ohms
U129	C0JBAB000049	IC	R37,42	YWR1220P332D	Metal 3.3K ohms
U130	C0JBAA000031	IC	R38	YWR1220P562D	Metal 5.6K ohms
U131	YWNJU201AM	IC	R39	YFR1220P203D	Metal 20K ohms
U132-135	NJM2068MD	IC	R40	YFR1220P104D	Metal 100K ohms
U136	C0JBAN000014	IC	R41,43	YWR1220P473D	Metal 47K ohms
U137	YWM5283P	IC	R44	YWR1220P562D	Metal 5.6K ohms
U138,139	YWNJU201AM	IC	R45	YFR1220P203D	Metal 20K ohms
U140	A11BL44C69	IC	R46	YFR1220P104D	Metal 100K ohms
U141	YWUL1A497B	IC	R47,52	YWR1220P332D	Metal 3.3K ohms
U142	C1AB00000194	IC	R48	YWR1220P562D	Metal 5.6K ohms
U143	YWUL1A496B	IC	R49	YFR1220P203D	Metal 20K ohms
U144	C0JBCR000039	IC	R50	YFR1220P104D	Metal 100K ohms
U145	C0JBAS000035	IC	R51	YWR1220P473D	Metal 47K ohms
U146	C0JBAF000039	IC	R53	ERJ6GEYJ510	Carbon 51 ohms 1/16W
U147	C0JBAN000014	IC	R54	YWR1220P103D	Metal 10K ohms
U148	C0CBBDG00001	IC	R55	YWR1220P682D	Metal 6.8K ohms
U151	C1AB00000194	IC	R56	YFR1220P392D	Metal 3.9K ohms
Q1	2SB0766AHL	Transistor	R57	YWR1220P473D	Metal 47K ohms
Q2	2SD0874AHL	Transistor	R58-61	YFR1220P104D	Metal 100K ohms
Q3	MSB709-QRS	Transistor	R62	YWR1220P473D	Metal 47K ohms
Q5,7	2SD10300HL	Transistor	R63	YWR1220P103D	Metal 10K ohms
Q9,11	2SD10300HL	Transistor	R64	YFR1220P203D	Metal 20K ohms
Q13,15	2SD10300HL	Transistor	R66,68	YWR1220P473D	Metal 47K ohms
Q17,19	2SD10300HL	Transistor	R70	YWR1220P103D	Metal 10K ohms
Q21	2SD10300HL	Transistor	R71	YFR1220P203D	Metal 20K ohms
Q25	2SD0874AHL	Transistor	R73	YWR1220P103D	Metal 10K ohms
Q26	2SB0766AHL	Transistor	R74	YFR1220P203D	Metal 20K ohms
Q27-29	MSB709-QRST2	Transistor	R76,78	YWR1220P473D	Metal 47K ohms
Q30	2SK01980EL	Transistor	R80	YWR1220P103D	Metal 10K ohms
D1,2	MAZ30560HL	Diode	R81	YFR1220P203D	Metal 20K ohms
D3,5	B0ACCJ000017	Diode	R83	YWR1220P473D	Metal 47K ohms
D6,7	YWHVU359TRF	Diode	R84	ERJ6GEYJ510	Carbon 51 ohms 1/16W
R1	ERJ6GEYJ510	Carbon 51 ohms 1/16W	R85	YFR1220P392D	Metal 3.9K ohms
R2	ERJ6GEYJ101	Carbon 100 ohms 1/16W	R86	YWR1220P682D	Metal 6.8K ohms
R3	ERJ6GEYJ473	Carbon 47K ohms 1/16W	R87	YWR1220P103D	Metal 10K ohms

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R88	YWR1220P473D	Metal	47K ohms	R192	YWR1220P102D	Metal	1K ohms
R89-92	YFR1220P104D	Metal	100K ohms	R193	YFR1220P203D	Metal	20K ohms
R93	YWR1220P473D	Metal	47K ohms	R194	YWR1220Q470D	Metal	47 ohms
R94	YWR1220P103D	Metal	10K ohms	R195,196	YWR1220P103D	Metal	10K ohms
R95	YFR1220P203D	Metal	20K ohms	R197	YFR1220P203D	Metal	20K ohms
R97,99	YWR1220P473D	Metal	47K ohms	R198	YWR1220P102D	Metal	1K ohms
R101	YWR1220P103D	Metal	10K ohms	R199	YFR1220P203D	Metal	20K ohms
R102	YFR1220P203D	Metal	20K ohms	R200	YWR1220Q470D	Metal	47 ohms
R104	YWR1220P103D	Metal	10K ohms	R201,202	ERJ6GEYJ103	Carbon	10K ohms 1/16W
R105	YFR1220P203D	Metal	20K ohms	R203,206	YFR1220P203D	Metal	20K ohms
R107,109	YWR1220P473D	Metal	47K ohms	R207	YWR1220P183D	Metal	18K ohms
R111	YWR1220P473D	Metal	47K ohms	R208	YWR1220P112D	Metal	1.1K ohms
R112	YWR1220P103D	Metal	10K ohms	R209,210	YWR1220P103D	Metal	10K ohms
R113	YFR1220P203D	Metal	20K ohms	R211	YWR1220P102D	Metal	1K ohms
R115,116	YWR1220P473D	Metal	47K ohms	R212	YFR1220P203D	Metal	20K ohms
R117	YWR1220P561D	Metal	560 ohms	R213	YWR1220Q470D	Metal	47 ohms
R118	YWR1220P122D	Metal	1.2K ohms	R214,215	YWR1220P103D	Metal	10K ohms
R119	YWR1220P561D	Metal	560 ohms	R216	YFR1220P203D	Metal	20K ohms
R120	YWR1220P122D	Metal	1.2K ohms	R217	YWR1220P102D	Metal	1K ohms
R121,122	YWR1220P473D	Metal	47K ohms	R218	YFR1220P203D	Metal	20K ohms
R123	ERJ6GEYJ472	Carbon	4.7K ohms 1/16W	R219	YWR1220Q470D	Metal	47 ohms
R124	ERJ6GEYJ560	Carbon	56 ohms 1/16W	R220,221	ERJ6GEYJ103	Carbon	10K ohms 1/16W
R125	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R222,225	ERJ6GEYJ203	Carbon	20K ohms 1/16W
R127,139	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R226	YWR1220P183D	Metal	18K ohms
R140	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R227	YWR1220P112D	Metal	1.1K ohms
R141-144	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R228,229	YWR1220P103D	Metal	10K ohms
R145	ERJ6GEYJ272	Carbon	2.7K ohms 1/16W	R230	YWR1220P102D	Metal	1K ohms
R146-150	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R231	YFR1220P203D	Metal	20K ohms
R115,116	YWR1220P103D	Metal	10K ohms	R232	YWR1220Q470D	Metal	47 ohms
R156	YWR1220P183D	Metal	18K ohms	R233,234	YWR1220P103D	Metal	10K ohms
R157,162	YWR1220P103D	Metal	10K ohms	R235	YFR1220P203D	Metal	20K ohms
R163	YWR1220P183D	Metal	18K ohms	R236	YWR1220P102D	Metal	1K ohms
R164	YWR1220P103D	Metal	10K ohms	R237	YFR1220P203D	Metal	20K ohms
R165	ERJ6GEYJ104	Carbon	100K ohms 1/16W	R238	YWR1220Q470D	Metal	47 ohms
R166,182	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R239,240	ERJ6GEYJ103	Carbon	10K ohms 1/16W
R169	YWR1220P183D	Metal	18K ohms	R241,244	YFR1220P203D	Metal	20K ohms
R170	YWR1220P112D	Metal	1.1K ohms	R249	YWR1220P333D	Metal	33K ohms
R171,172	YWR1220P103D	Metal	10K ohms	R250	YWR1220P223D	Metal	22K ohms
R173	YWR1220P102D	Metal	1K ohms	R251	YWR1220Q750D	Metal	75 ohms
R174	YFR1220P203D	Metal	20K ohms	R252	YWR1220P333D	Metal	33K ohms
R175	YWR1220Q470D	Metal	47 ohms	R253	YWR1220P223D	Metal	22K ohms
R176,177	YWR1220P103D	Metal	10K ohms	R254	YWR1220Q750D	Metal	75 ohms
R178	YFR1220P203D	Metal	20K ohms	R255,256	ERJ6GEYJ103	Carbon	10K ohms 1/16W
R179	YWR1220P102D	Metal	1K ohms	R259,260	YFR1220P203D	Metal	20K ohms
R180	YFR1220P203D	Metal	20K ohms	R267,268	ERJ6GEYJ104	Carbon	100K ohms 1/16W
R181	YWR1220Q470D	Metal	47 ohms	R281,284	YWR1220P473D	Metal	47K ohms
R182,183	ERJ6GEYJ103	CARBON	10K ohms	R282	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R184,187	ERJ6GEYJ203	CARBON	20K ohms 1/16W	R298	ERJ6GEYJ104	Carbon	100K ohms 1/16W
R188	YWR1220P183D	Metal	18K ohms	R299,300	ERJ6GEYJ103	Carbon	10K ohms 1/16W
R189	YWR1220P112D	Metal	1.1K ohms	R302	ERJ6GEYJ104	Carbon	100K ohms 1/16W
R190,191	YWR1220P103D	Metal	10K ohms	R303	ERJ6GEYJ102	Carbon	1K ohms 1/16W



REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R304	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R731	YWR1220P103D	Metal	10K ohms
R305-307	ERJ6GEYJ221	Carbon	220 ohms 1/16W	R732	YFR1220P104D	Metal	100K ohms
R400-402	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R733	YWR1220P122D	Metal	1.2K ohms
R403	ERJ6GEYJ105	Carbon	1M ohms 1/16W	R734,735	YWR1220P473D	Metal	47K ohms
R404,406	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R736	YWR1220P472D	Metal	4.7K ohms
R408	ERJ6GEYJ100	Carbon	10 ohms 1/16W	R737	YWR1220P202D	Metal	2K ohms
R417	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R738	YFR1220P104D	Metal	100K ohms
R418-420	ERJ6GEY0R00	Carbon	0 ohms 1/16W	R739	YFR1220P392D	Metal	3.9K ohms
R421-423	ERJ6GEYJ221	Carbon	220 ohms 1/16W	R740,746	ERJ6GEY0R00	Carbon	0 ohms 1/16W
R424	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R748	ERJ6GEY0R00	Carbon	0 ohms 1/16W
R425-428	ERJ6GEY0R00	Carbon	0 ohms 1/16W	R750	YWR1220P473D	Metal	47K ohms
R431-439	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R751,752	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R461	ERJ6GEYJ104	Carbon	100K ohms 1/16W	R753	YWR1220P473D	Metal	47K ohms
R462	ERJ6GEYJ102	Carbon	1K ohms 1/16W	R754	YWR1220P473D	Metal	47K ohms
R463	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R757	YWR1220P562D	Metal	5.6K ohms
R464,465	ERJ6GEYJ563	Carbon	56K ohms 1/16W	R758	YWR1220P332D	Metal	3.3K ohms
R466	ERJ6GEYJ102	Carbon	1K ohms 1/16W	R760	YWR1220P562D	Metal	5.6K ohms
R467	ERJ6GEYJ105	Carbon	1M ohms 1/16W	R761	YWR1220P332D	Metal	3.3K ohms
R471	ERJ6GEYJ560	Carbon	56 ohms 1/16W	R763	YWR1220P333D	Metal	33K ohms
R472,473	ERJ6GEY0R00	Carbon	0 ohm 1/16W	R764	YWR1220P513D	Metal	51K ohms
R475	ERJ6GEY0R00	Carbon	0 ohm 1/16W	R765	YWR1220P562D	Metal	5.6K ohms
R476-478	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R766	YWR1220P333D	Metal	33K ohms
R506-508	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R767	YWR1220P513D	Metal	51K ohms
R512	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R768	YWR1220P562D	Metal	5.6K ohms
R514-516	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R769	ERJ6GEY0R00	Carbon	0 ohm 1/16W
R518	ERJ6GEYJ105	Carbon	1M ohms 1/16W	R770,771	YFR1220P104D	Metal	100K ohms
R519-523	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R781	ERJ6GEY0R00	Carbon	0 ohm 1/16W
R609-612	EXBV8V101J	Block Resistor	100 ohms	R785-789	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R629-643	EXBV8V101J	Block Resistor	100 ohms	R792,796	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R644,645	EXBV8V103J	Block Resistor	10K ohms	R798-804	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R650-653	EXBV8V560J	Block Resistor	56 ohms	R806,808	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R654-657	EXBV8V101J	Block Resistor	100 ohms	R809-812	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R666-669	EXBV8V560J	Block Resistor	56 ohms	R814,815	EXBV8V101J	Block Resistor	100 ohms
R701,702	YWR1220P103D	Metal	10K ohms	R818,819	EXBV8V101J	Block Resistor	100 ohms
R703,707	ERJ6GEYJ510	Carbon	51 ohms 1/16W	R820,822	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R705,706	YWR1220P103D	Metal	10K ohms	R823-826	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R708,709	YWR1220P473D	Metal	47K ohms	R829,832	YWR1220P473D	Metal	47K ohms
R710,711	ERJ6GEYJ101	Carbon	100 ohms 1/16W	R833	YWR1220P153D	Metal	15K ohms
R714	ERJ6GEY0R00	Carbon	0 ohm 1/16W	R834	YWR1220P103D	Metal	10K ohms
R720	YWR1220P473D	Metal	47K ohms	R835	YFR1220P104D	Metal	100K ohms
R721	YWR1220P472D	Metal	4.7K ohms	R836	YWR1220P682D	Metal	6.8K ohms
R722	YWR1220P202D	Metal	2K ohms	R837	YWR1220P473D	Metal	47K ohms
R723	YFR1220P104D	Metal	100K ohms	R838	YWR1220P152D	Metal	1.5K ohms
R724	YFR1220P392D	Metal	3.9K ohms	R839	YWR1220P103D	Metal	10K ohms
R725	YWR1220P473D	Metal	47K ohms	R840	YFR1220P104D	Metal	100K ohms
R726	YWR1220P153D	Metal	15K ohms	R841	YWR1220P122D	Metal	1.2K ohms
R727	YFR1220P104D	Metal	100K ohms	R843	ERJ6GEYJ101	Carbon	100 ohms 1/16W
R728	YWR1220P682D	Metal	6.8K ohms	R844	ERJ6GEYJ220	Carbon	22 ohms 1/16W
R729	ERJ6GEYJ103	Carbon	10K ohms 1/16W	R845,846	ERJ6GEYJ3R3	Carbon	3.3 ohms 1/16W
R730	YWR1220P152D	Metal	1.5K ohms	R847,849	ERJ6GEY0R00	Carbon	0 ohm 1/16W

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R851	ERJ6GEYJ101	Carbon	100 ohms 1/16W	C60,62	ECEV1AAN330P	Electrolytic	33 µF 10V
R853	ERJ6GEYJ472	Carbon	4.7K ohms 1/16W	C65,67	ECEV1AAN330P	Electrolytic	33 µF 10V
R855	ERJ6GEY0R00	Carbon	0 ohm 1/16W	C68	YWT316B104MT	Ceramic	0.1 µF 25V
R858	YWR1220P103D	Metal	10K ohms	C69	EEVHA1E470P	Electrolytic	47 µF 25V
R859-862	YWR1220P223D	Metal	22K ohms	C70	YWT316B104MT	Ceramic	0.1 µF 25V
R865-875	ERJ6GEYJ101	Carbon	100 ohms 1/16W	C71	EEVHA1E470P	Electrolytic	47 µF 25V
R882	ERJ6GEYJ103	Carbon	10K ohms 1/16W	C72	F1J1H103A021	Ceramic	0.01 µF
R883	EXBV8V103J	Block Resistor	10K ohms	C73	GRMOCH331J5H	Ceramic	330 pF
R884	ERJ6GEYJ103	Carbon	10K ohms 1/16W	C74	F1J1H103A021	Ceramic	0.01 µF
R885-888	EXBV8V103J	Block Resistor	10K ohms	C75	GRMOCH331J5H	Ceramic	330 pF
R889	ERJ6GEYJ103	Carbon	10K ohms 1/16W	C76	YWT316B104MT	Ceramic	0.1 µF 25V
R890-894	EXBV8V103J	Block Resistor	10K ohms	C77	EEVHA1E470P	Electrolytic	47 µF 25V
R895-899	ERJ6GEYJ101	Carbon	100 ohms 1/16W	C78	YWT316B104MT	Ceramic	0.1 µF 25V
R245,247	EVM1DGA00B53	Variable Resistor	5K ohms	C79	EEVHA1E470P	Electrolytic	47 µF 25V
R263,266	EVM1DGA00B53	Variable Resistor	5K ohms	C80	YWT316B104MT	Ceramic	0.1 µF 25V
R759,762	EVM1DGA00B53	Variable Resistor	5K ohms	C82,85	ECEV1AAN330P	Electrolytic	33 µF 10V
C9	SK1C106MRC	Electrolytic	10 µF 16V	C87,89	ECEV1AAN330P	Electrolytic	33 µF 10V
C10	YWT316B104MT	Ceramic	0.1 µF 25V	C92,94	ECEV1AAN330P	Electrolytic	33 µF 10V
C11	ECST1CX685ZR	Tantalum	6.8 µF 16V	C95	YWT316B104MT	Ceramic	0.1 µF 25V
C12	YWT316B104MT	Ceramic	0.1 µF 25V	C96	EEVHA1E470P	Electrolytic	47 µF 25V
C13	F1J1H103A021	Ceramic	0.01 µF	C97,98	YWT316B104MT	Ceramic	0.1 µF 25V
C14,16	YWT316B104MT	Ceramic	0.1 µF 25V	C99,100	ECEV1EA101	Electrolytic	100 µF 25V
C17	F1J1H103A021	Ceramic	0.01 µF	C101,102	ECEV1EA221	Electrolytic	220 µF 25V
C18	YWT316B104MT	Ceramic	0.1 µF 25V	C103-108	YWT316B104MT	Ceramic	0.1 µF 25V
C19	ECEV1EA221	Electrolytic	220 µF 25V	C109,110	EEVHA1E470P	Electrolytic	47 µF 25V
C20	YWT316B104MT	Ceramic	0.1 µF 25V	C111,112	YWT316B104MT	Ceramic	0.1 µF 25V
C21	ECEV1EA221	Electrolytic	220 µF 25V	C113,114	ECEV1EA221	Electrolytic	220 µF 25V
C30	ECST1AX106ZR	Tantalum	10 µF 10V	C115	YWT316B104MT	Ceramic	0.1 µF 25V
C31	YWT316B104MT	Ceramic	0.1 µF 25V	C117	GRMOCH330J5H	Ceramic	33 pF
C32,33	ECST1CD336	Tantalum	33 µF 16V	C120	ECST1CD226ZR	Tantalum	10 µF 16V
C34,35	YWT316B104MT	Ceramic	0.1 µF 25V	C121	ECST1CD336	Tantalum	33 µF 16V
C36	EEVHA1E470P	Electrolytic	47 µF 25V	C122	YWT316B104MT	Ceramic	0.1 µF 25V
C37	YWT316B104MT	Ceramic	0.1 µF 25V	C123	F3H1A336A002	Electrolytic	33 µF 10V
C38	ECEV1AAN330P	Electrolytic	33 µF 10V	C126,127	ECEV1CA101	Electrolytic	100 µF 16V
C39	YGM2C681J1HT	Ceramic	680 pF	C128	SK1C106MRC	Electrolytic	10 µF 16V
C40	EEVHA1E470P	Electrolytic	47 µF 25V	C133	YW400102CHJT	Ceramic	1000 pF
C41	YWT316B104MT	Ceramic	0.1 µF 25V	C134	GRMOCH151J5H	Ceramic	150 pF
C42	YGM2C681J1HT	Ceramic	680 pF	C135	YWT316B104MT	Ceramic	0.1 µF 25V
C43	ECEV1AAN330P	Electrolytic	33 µF 10V	C136,137	EEVHA1E470P	Electrolytic	47 µF 25V
C44	EEVHA1E470P	Electrolytic	47 µF 25V	C138	YWT316B104MT	Ceramic	0.1 µF 25V
C45	YWT316B104MT	Ceramic	0.1 µF 25V	C142	YW400102CHJT	Ceramic	1000 pF
C46	ECEV1AAN330P	Electrolytic	33 µF 10V	C143	GRMOCH151J5H	Ceramic	150 pF
C47	YGM2C681J1HT	Ceramic	680 pF	C144	EEVHA1E470P	Electrolytic	47 µF 25V
C48	YWT316B104MT	Ceramic	0.1 µF 25V	C145	YWT316B104MT	Ceramic	0.1 µF 25V
C49	EEVHA1E470P	Electrolytic	47 µF 25V	C146	EEVHA1E470P	Electrolytic	47 µF 25V
C50	YGM2C681J1HT	Ceramic	680 pF	C147	YWT316B104MT	Ceramic	0.1 µF 25V
C51	ECEV1AAN330P	Electrolytic	33 µF 10V	C148	EEVHA1E330P	Electrolytic	33 µF 25V
C52	EEVHA1E470P	Electrolytic	47 µF 25V	C150	ECEV1EA101	Electrolytic	100 µF 25V
C53	YWT316B104MT	Ceramic	0.1 µF 25V	C152	ECEV1AAN330P	Electrolytic	33 µF 10V
C55,58	ECEV1AAN330P	Electrolytic	33 µF 10V	C154	YWT316B104MT	Ceramic	0.1 µF 25V

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
C155	EEVHA1E470P	Electrolytic	47 µF 25V	C239	EEVHA1E470P	Electrolytic	47 µF 25V
C156	YWT316B104MT	Ceramic	0.1 µF 25V	C240,241	YWT316B104MT	Ceramic	0.1 µF 25V
C157	EEVHA1E470P	Electrolytic	47 µF 25V	C242,243	EEVHA1E470P	Electrolytic	47 µF 25V
C159	YWT316B104MT	Ceramic	0.1 µF 25V	C244,245	YWT316B104MT	Ceramic	0.1 µF 25V
C160	ECEV1AA221P	Electrolytic	220 µF 10V	C246	EEVHA1E470P	Electrolytic	47 µF 25V
C161	YWT316B104MT	Ceramic	0.1 µF 25V	C250	YWT316B104MT	Ceramic	0.1 µF 25V
C162	ECEV1AA221P	Electrolytic	220 µF 10V	C251,252	EEVHA1E470P	Electrolytic	47 µF 25V
C164	YWT316B104MT	Ceramic	0.1 µF 25V	C253	YWT316B104MT	Ceramic	0.1 µF 25V
C165	EEVHA1E470P	Electrolytic	47 µF 25V	C254	EEVHA1E470P	Electrolytic	47 µF 25V
C166	ECEV1AAN330P	Electrolytic	33 µF 10V	C255	YWT316B104MT	Ceramic	0.1 µF 25V
C167	YWT316B104MT	Ceramic	0.1 µF 25V	C257	EEVHA1E470P	Electrolytic	47 µF 25V
C168	EEVHA1E470P	Electrolytic	47 µF 25V	C258-265	GRM0CH330J5H	Ceramic	33 pF
C170	YWT316B104MT	Ceramic	0.1 µF 25V	C266,267	YWT316B104MT	Ceramic	0.1 µF 25V
C171	ECEV1AA221P	Electrolytic	220 µF 10V	C268	SK1C106MRC	Electrolytic	10 µF 16V
C172	YWT316B104MT	Ceramic	0.1 µF 25V	C269	GRM0CH330J5H	Ceramic	33 pF
C173	ECEV1AA221P	Electrolytic	220 µF 10V	C270,271	ECEV1AAN330P	Electrolytic	33 µF 10V
C175	YWT316B104MT	Ceramic	0.1 µF 25V	C276,300	YWT316B104MT	Ceramic	0.1 µF 25V
C176	EEVHA1E470P	Electrolytic	47 µF 25V	C301	T316B104MT	Ceramic	0.1 µF 25V
C177	ECEV1AAN330P	Electrolytic	33 µF 10V	C302	SK1C106MRC	Electrolytic	10 µF 16V
C178	YWT316B104MT	Ceramic	0.1 µF 25V	C303	T316B104MT	Ceramic	0.1 µF 25V
C179	EEVHA1E470P	Electrolytic	47 µF 25V	C305	ECST1CD226ZR	Tantalum	10 µF 16V
C181	YWT316B104MT	Ceramic	0.1 µF 25V	C306,307	YWT316B104MT	Ceramic	0.1 µF 25V
C182	ECEV1AA221P	Electrolytic	220 µF 10V	C314,318	T316B104MT	Ceramic	0.1 µF 25V
C183	YWT316B104MT	Ceramic	0.1 µF 25V	C319,323	T316B104MT	Ceramic	0.1 µF 25V
C184	ECEV1AA221P	Electrolytic	220 µF 10V	C324	ECST1CD226ZR	Tantalum	10 µF 16V
C186	YWT316B104MT	Ceramic	0.1 µF 25V	C325-327	YWT316B104MT	Ceramic	0.1 µF 25V
C187	EEVHA1E470P	Electrolytic	47 µF 25V	C328	F3H1C1060002	Electrolytic	10 µF 16V
C188	ECEV1AAN330P	Electrolytic	33 µF 10V	C329	T316B104MT	Ceramic	0.1 µF 25V
C189	YWT316B104MT	Ceramic	0.1 µF 25V	C334	F3H1C1060002	Electrolytic	10 µF 16V
C190	EEVHA1E470P	Electrolytic	47 µF 25V	C335	F3H1A226A001	Electrolytic	22 µF 10V
C192	YWT316B104MT	Ceramic	0.1 µF 25V	C336,337	T316B104MT	Ceramic	0.1 µF 25V
C193	ECEV1AA221P	Electrolytic	220 µF 10V	C338	F3H1A226A001	Electrolytic	22 µF 10V
C194	YWT316B104MT	Ceramic	0.1 µF 25V	C339,340	YW400102CHJT	Ceramic	1000 pF
C195	ECEV1AA221P	Electrolytic	220 µF 10V	C341	T316B104MT	Ceramic	0.1 µF 25V
C196,199	GRM0CH330J5H	Ceramic	33 pF	C342,350	SK1C106MRC	Electrolytic	10 µF 16V
C200	YWT316B104MT	Ceramic	0.1 µF 25V	C347	YWT316B104MT	Ceramic	0.1 µF 25V
C201	EEVHA1E470P	Electrolytic	47 µF 25V	C351	YGM2B104K1ET	Ceramic	0.1 µF
C202	YWT316B104MT	Ceramic	0.1 µF 25V	C352	F3F1C105A004	Electrolytic	1 µF 16V
C203	EEVHA1E470P	Electrolytic	47 µF 25V	C353	YWT316B104MT	Ceramic	0.1 µF 25V
C204,205	ECEV1AAN100R	Electrolytic	10 µF 10V	C361-364	ECEV1AAN330P	Electrolytic	33 µF 10V
C206	GRM0CH101J5H	Ceramic	100 pF	C365	EEVHA1E470P	Electrolytic	47 µF 25V
C216	YWT316B104MT	Ceramic	0.1 µF 25V	C366	YGM2C102J1HT	Ceramic	1000 pF
C217	ECEV1EA101	Electrolytic	100 µF 25V	C367	ECEV1AAN330P	Electrolytic	33 µF 10V
C218	F3F1C105A004	Electrolytic	1 µF 16V	C368	YWT316B104MT	Ceramic	0.1 µF 25V
C219	ECEV1EA101	Electrolytic	100 µF 25V	C370	ECEV1AAN330P	Electrolytic	33 µF 10V
C220	YWT316B104MT	Ceramic	0.1 µF 25V	C371	EEVHA1E470P	Electrolytic	47 µF 25V
C223,224	F1J1H103A021	Ceramic	0.01 µF	C372	YWT316B104MT	Ceramic	0.1 µF 25V
C225,231	ECST1CD336	Tantalum	33 µF 16V	C373	EEVHA1E470P	Electrolytic	47 µF 25V
C232,234	ECST1CD336	Tantalum	33 µF 16V	C374	YWT316B104MT	Ceramic	0.1 µF 25V
C237,238	EEVHA1E330P	Electrolytic	33 µF 25V	C376	ECEV1AAN330P	Electrolytic	33 µF 10V

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
C377	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C505	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V
C378,379	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	C506	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C380	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C507	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V
C381	YW400102CHJT	Ceramic	1000 pF	C508	F1J1H103A021	Ceramic	0.01 $\mu$ F
C382,384	ECEV1AAN330P	Electrolytic	33 $\mu$ F 10V	C521-525	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C385	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	C528-530	T316B104MT	Ceramic	0.1 $\mu$ F 25V
C386	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C545	GRM0CH330J5H	Ceramic	33 pF
C387	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	C547	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V
C388	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C548,549	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C390	ECEV1AAN330P	Electrolytic	33 $\mu$ F 10V	C550	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V
C391	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	C551	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V
C392	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	C552	F3H1A226A001	Electrolytic	22 $\mu$ F 10V
C393,394	ECEV1AAN100R	Electrolytic	10 $\mu$ F 10V	C555	ECCF1H101JC	Ceramic	100 pF
C395,396	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	L4,6	YWBLM21A05PT	Coil	
C397,398	ECEV1AAN330P	Electrolytic	33 $\mu$ F 10V	L8.9	ELJPA1R0MF	Coil	
C399	YGM2B104K1ET	Ceramic	0.1 $\mu$ F	L10-20	J0JCC0000005	Coil	
C400	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	L22-25	J0JCC0000005	Coil	
C402,403	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	L27	J0JCC0000005	Coil	
C404	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	L29	G1C100K0002	Coil	
C405,407	ECEV1AAN330P	Electrolytic	33 $\mu$ F 10V	L30-39	J0JCC0000005	Coil	
C406	SK1C106MRC	Electrolytic	10 $\mu$ F 16V	F1	YWSSFC2AT4	Current Fuse	
C409	YW400102CHJT	Ceramic	1000 pF	F2,3	K5H122A00001	Current Fuse	
C410	ECST1AX106ZR	Tantalum	10 $\mu$ F 10V	FL2	CSTCS40MX040	Ceramic Filter	
C411	ECEV1AAN330P	Electrolytic	33 $\mu$ F 10V	X3	YWDX12R288V	Crystal Oscillator Unit	
C412	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	E1-13	YWRCT2125TPV	Terminal Pin	
C413,414	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	E14	K4BK08E00001	Terminal Pin	
C415,416	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	E15-21	YWRCT2125TPV	Terminal Pin	
C419	ECEV1AAN330P	Electrolytic	33 $\mu$ F 10V	E23	DOYDR0000011	Terminal Pin	
C420	SK1C106MRC	Electrolytic	10 $\mu$ F 16V	E26,33	DOYDR0000011	Terminal Pin	
C421	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	E34,37	DOYDR0000011	Terminal Pin	
C422,423	F3H1A226A001	Electrolytic	22 $\mu$ F 10V	E38-49	DOYDR0000011	Terminal Pin	
C424	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	E101-109	DOYDR0000011	Terminal Pin	
C425	F3H1A226A001	Electrolytic	22 $\mu$ F 10V	E121-124	DOYDR0000011	Terminal Pin	
C426,427	T316B104MT	Ceramic	0.1 $\mu$ F 25V	TP900-911	YWRCS3216TPV	Test Point	
C428	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	P1	YW8817140L	140-pin Connector	
C429	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	P2	YW8817120L	120-pin Connector	
C430	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	E1	YWL3071A02A5	Cable	
C431	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V	M30	YVW4RA0121A3	Lever	
C432	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V	M31	YVW2HA1206A3	Shield Parts	
C433	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V				
C434	EEVHA1E470P	Electrolytic	47 $\mu$ F 25V				
C435	GRM0CH330J5H	Ceramic	33 pF				
C436	GRM0CH221J5H	Ceramic	220 pF				
C437,438	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V				
C439,440	F1J1H561A412	Ceramic	560p 50V				
C500	YF400301CHJT	Ceramic	300p				
C501	F1J1H103A021	Ceramic	0.01 $\mu$ F 50V				
C502	YF400301CHJT	Ceramic	300p				
C503	F1J1H103A021	Ceramic	0.01 $\mu$ F				
C504	YWT316B104MT	Ceramic	0.1 $\mu$ F 25V				




REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
PCI INTERFACE BOARD				P1	FCN795P040LO	40-pin Connector	
				P2-4	YW145154-4	124-pin Connector	
PCB7 (RTL)	YWY2000PKY1A	Printed Circuit Board Ass'y		POWER BOARD			
U1,2	YULSQ0025	IC		PCB8 (RTL)	YWY2000EKZ9A	Printed Circuit Board Ass'y	
U3	YULSQ0026	IC		U1	YWFA5304P	IC	
U4	YW18CV8AV05A	IC		U2	YWTA76431S	IC	
U5	YULSQ0026	IC		U3	YWSI3122V	IC	
R1-3	ERJ3GEYJ100	Carbon	10 ohms 1/16W	U4	YWTA76431S	IC	
R4,5	ERJ3GEYJ101	Carbon	100 ohms 1/16W	U5	YWNJM7820FA	IC	
R6,7	ERJ3GEYJ103	Carbon	10K ohms 1/16W	U6	YWM51957BL	IC	
R9	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W	Q1	△ 2SK1941-01R	FET	
R11-17	ERJ3GEYJ101	Carbon	100 ohms 1/16W	Q2	2SC4620	Transistor	
R18-23	ERJ3GEYJ272	Carbon	2.7K ohms 1/16W	Q6	2SC1740	Transistor	
R24-31	ERJ3GEYJ101	Carbon	100 ohms 1/16W	Q7	2SK1941-01R	FET	
R33-45	ERJ3GEYJ101	Carbon	100 ohms 1/16W	Q3	2SD1833	Transistor	
C1,3	YWT316B104MT	Ceramic	0.1 μF	Q4	2SB1290	Transistor	
C4,5	ECST1DX106ZR	Tantalum	10 μF 20V	Q5	2SA1225Y	Transistor	
C6	YWT316B104MT	Ceramic	0.1 μF	D1	△ YWD10XB60H	Diode	
C8-20	GRM9CH330J5H	Ceramic	33 pF	D2	RU1P	Diode	
C21	ECST1DX106ZR	Tantalum	10 μF 20V	D4	YWRD18JB2	Diode	
C22	YGM1B104K1CT	Ceramic	0.1 μF	D5	MA165	Diode	
C24-26	ECST1DX106ZR	Tantalum	10 μF 20V	D6	YWERA3804	Diode	
C27	YGM1B104K1CT	Ceramic	0.1 μF	D7	MA165	Diode	
C28	ECST1DX106ZR	Tantalum	10 μF 20V	D8	△ YWPC111LY	Diode	
C29	YGM1B104K1CT	Ceramic	0.1 μF	D9	YWESAD92M02	Diode	
C30	ECST1DX106ZR	Tantalum	10 μF 20V	D10	YWESAD83M006	Diode	
C31	YGM1B104K1CT	Ceramic	0.1 μF	D11	YWESAC92M02	Diode	
C32,33	YGM1C102J1ET	Ceramic	1000 pF	D12	YWERA3804	Diode	
C34-38	ECST1AD107ZR	Tantalum	100 μF 10V	D13	MA165	Diode	
C39	ECST1DX106ZR	Tantalum	10 μF 20V	D14	YWRD9.1JB2	Diode	
C40	YGM1B104K1CT	Ceramic	0.1 μF	D15	YWS60SC6M	Diode	
C41	ECST1DX106ZR	Tantalum	10 μF 20V	D16,17	YWERA1506	Diode	
C42	YGM1B104K1CT	Ceramic	0.1 μF	D18-20	YWS2L60	Diode	
C43	ECST1DX106ZR	Tantalum	10 μF 20V	D21	△ YWPC111LY	Diode	
C44	YGM1B104K1CT	Ceramic	0.1 μF	D22	YWRD5.6J	Diode	
C45	ECST1AD107ZR	Tantalum	100 μF 10V	R1	ERC12ZGM105	Solid Resistor	1 M ohms 1/2W
C46,47	YGM1C102J1ET	Ceramic	1000 pF	R2	ERG5SJ221	Metal	220 ohms 5W
C48-51	ECST1AD107ZR	Tantalum	100 μF 10V	R3	ERF5EKR10	Wire Wound Resistor	0.1 ohm 5W
C52	ECST1DX106ZR	Tantalum	10 μF 20V				
C53	YGM1B104K1CT	Ceramic	0.1 μF				
C54	ECST1DX106ZR	Tantalum	10 μF 20V				
C55	YGM1B104K1CT	Ceramic	0.1 μF				
C56	ECST1DX106ZR	Tantalum	10 μF 20V				
C57	YGM1B104K1CT	Ceramic	0.1 μF				
C58	ECST1AD107ZR	Tantalum	100 μF 10V				
C59,60	YGM1C102J1ET	Ceramic	1000 pF				
C61-64	ECST1AD107ZR	Tantalum	100 μF 10V				

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
R4,5	ERDS2TJ134	Carbon	130K ohms 1/4W	C13	ECQB1H103JF	Plastic	0.01 $\mu$ F
R6,7	ERG2SJ103	Metal	10K ohms 2W	C14,15	ECKD3F681KB	Ceramic	680 PF
R8,9	ERDS2TJ623	Carbon	62K ohms 1/4W	C16	ECA1EFQ331	Electrolytic	330 $\mu$ F 25V
R10	ERDS2TJ183	Carbon	18K ohms 1/4W	C17	ECQB1H102JF	Plastic	1000 PF
R11	ERDS2TJ102	Carbon	1K ohms 1/4W	C18	ECQV1H474JZ	Plastic	0.47 $\mu$ F
R12	ERDS2TJ101	Carbon	100 ohms 1/4W	C19,20	ECA1EFQ102	Electrolytic	0.001 $\mu$ F 25V
R13	ERDS2TJ471	Carbon	470 ohms 1/4W	C21,22	ECA1AFQ222	Electrolytic	2200 PF 10V
R14	ERDS2TJ181	Carbon	180 ohms 1/4W	C24	ECA1EFQ471	Electrolytic	470 $\mu$ F25V
R17	ERC12ZGM156	Solid Resistor	15M ohms 1/2W	C25	ECA1EFQ102	Electrolytic	0.001 $\mu$ F 25V
R18	ERDS2TJ223	Carbon	22K ohms 1/4W	C26	ECQV1H104JZ	Plastic	0.1 $\mu$ F
R19	ERDS2TJ333	Carbon	33K ohms 1/4W	C27	ECA1EFQ471	Electrolytic	470 $\mu$ F25V
R20	ERDS2TJ470	Carbon	47 ohms 1/4W	C28	ECA1EFQ102	Electrolytic	0.001 $\mu$ F 25V
R21	ERDS2TJ182	Carbon	1.8K ohms 1/4W	C29	ECEA1HGE220	Electrolytic	22 $\mu$ F 50V
R22	ERDS2TJ562	Carbon	5.6K ohms 1/4W	C30	ECQV1H474JZ	Plastic	0.47 $\mu$ F
R23	ER0S2TKF6801	Metal	6.8K ohms 1/4W	C31	ECQU2A224MV	Plastic	0.22 $\mu$ F
R24	ER0S2TKF7501	Metal	7.5K ohms 1/4W	C32	EC0S2DB152EB	Electrolytic	1500 PF 200V
R25	ERG3SJ221	Metal	220 ohms 3W	C33	ECQV1H104JZ	Plastic	0.1 $\mu$ F
R26	ERDS2TJ471	Carbon	470 ohms 1/4W	C34	ECA1HFQ330B	Electrolytic	33 $\mu$ F 50V
R27	ERDS2TJ392	Carbon	3.9K ohms 1/4W	C35	ECA1AFQ102	Electrolytic	1000 PF 10V
R28	ER0S2TKF2202	Metal	22K ohms 1/4W	C36,37	ECA1EFQ471	Electrolytic	470 $\mu$ F25V
R29	ER0S2TKF5601	Metal	5.6K ohms 1/4W	C38	ECA1AFQ102	Electrolytic	1000 PF 10V
R30	ERG2SJ100	Metal	10 ohms 2W	C39	ECA1EFQ471	Electrolytic	470 $\mu$ F25V
R32	ERF10TJ100	Wire Wound Resistor	10 ohms 10W	C40	ECA1AFQ102	Electrolytic	1000 PF 10V
R33	ERG3SJ120	Metal	12 ohms 3W	C41	ECQE6103KZ	Plastic	0.01 $\mu$ F
R34	ERDS2TJ202	Carbon	2K ohms 1/4W	C43	ECQV1H104JZ	Plastic	0.1 $\mu$ F
R35	ERDS2TJ331	Carbon	330 ohms 1/4W	C45	ECA1AFQ102	Electrolytic	1000 PF 10V
R36	ERDS2TJ102	Carbon	1K ohms 1/4W	C46	ECA1EFQ471	Electrolytic	470 $\mu$ F25V
R37	ERDS2TJ561	Carbon	560 ohms 1/4W	C47,48	ECA1AFQ102	Electrolytic	1000 PF 10V
R38	ERDS2TJ151	Carbon	150 ohms 1/4W	C49	EC0S2DB152EB	Electrolytic	1500 PF 200V
R40,41	ERG5SJ103	Metal	10K ohms 5W	C144	ECEA1HGE010	Electrolytic	1 $\mu$ F 50V
R42	ER0S2TKF1502	Metal	15K ohms 1/4W	L1,2	△ ELF18D850X	Coil	
R43	ERDS2TJ562	Carbon	5.6K ohms 1/4W	L4	ETS42BH159AD	Coil	
R44	ERG2SJ821	Metal	820 ohms 2W	L5	YWMSSX15X10A	Coil	
R45,46	ERDS2TJ103	Carbon	10K ohms 1/4W	L6	ETS29AC1A9AC	Coil	
R47	ERDS2TJ820	Carbon	82 ohms 1/4W	L7,8	PC15DRK330K	Coil	
R48	ERG3SJ120	Metal	12 ohms 3W	L10,11	YWPC7220K	Coil	
R50	ERDS2TJ683	Carbon	68K ohms 1/4W	L12	PC15DRK330K	Coil	
R51,52	ERF10TJ100	Wire Wound Resistor	10 ohms 10W	L13,14	YWPC7220K	Coil	
R53	ERG1SJ151	Metal	150 ohms 1W	L17	ELESN680JA	Coil	
RV1	ERZV07D471	Lzinc-Oxide Non-Linear Res	470 ohms	L18-20	YWPC7220K	Coil	
VR1,2	YWRH0421C102	Variable Resistor		F2	△ YWSSFR4AF002	Current Fuse	
VR3	YWRH0421C222	Variable Resistor		F3,4	△ SSFR6.3A002	Current Fuse	
TH1	YW8D18	Thermistor		F5	△ SSFR8AF002	Special Fuse	
C1,2	△ ECQU2A224MV	Plastic	0.22 $\mu$ F	F6	△ YWSSFR4AF002	Current Fuse	
C3-7	△ ECKDRS332MEY	Ceramic	3300 PF	F7	△ SSFR1.6A002	Current Fuse	
C8	EC0S2DB152EB	Electrolytic	1500 PF 200V	F8	△ SSFR6.3A002	Current Fuse	
C9	ECA2GHG3R3	Electrolytic	3.3 $\mu$ F 400V	FL3,21	YFBL02RN2R62	Filter	
C10	ECQV1H334JZ	Plastic	0.33 $\mu$ F	FL27	YFBL02RN2R62	Filter	
C11	ECQP1H391JZ	Plastic	390pF 50V	L22-24	G0ZZ00000363	Coil	
C12	ECQV1H474JZ	Plastic	0.47 $\mu$ F	T1	△ ETS42BH164AD	Power Transformer	

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
P3	5271-12A	Square Connector	<b>MOTHER BOARD</b>		
P6	171826-3	Square Connector	PCB11 (RTL)	YWY2000EKZ8B	Printed Circuit Board Ass'y
CN1	YWB4P7VH	7-pin Connector	W14	YWNE2000A13	Lead Wire
CN2	FCN795P030L0	30-pin Connector	CN1	YW8807140SN	140-pin Connector
CN3	YW527112A	12-pin Connector	CN2	YW8807120SN	120-pin Connector
CN4	YW530150410	4-pin Connector	CN3	YW8807140SN	140-pin Connector
CN6	YW1718263	3-pin Connector	CN4	YW8807120SN	120-pin Connector
CN7	YWLC04T	4-pin Connector	CN5	YW8807140SN	140-pin Connector
CN8	YW530150210	2-pin Connector	CN6	YW8807120SN	120-pin Connector
CN101	YWB2P3VH	2-pin Connector	CN7	YW8807140SN	140-pin Connector
E1,2	S-N5057	Cholder Holder	CN8	YW8807120SN	120-pin Connector
E3-5	YWM1748	Holder	CN9	YW8807140SN	140-pin Connector
E6,7	YWM1845A	Holder	CN10	YW8807120SN	120-pin Connector
E8,9	△ 30TT03P03281	Insulator	CN11	YW8807140SN	140-pin Connector
E10,11	△ YW85H13.540L	Insulator	CN12	YW8807120SN	120-pin Connector
E12-16	△ YW851248	Insulator	CN13	YWF794P024LA	24-pin Connector
M	YFV7MA0095A4	Label	CN15	FCN795P040L0	40-pin Connector
M	YWV7MA0349A4	Label	CN16	FCN795P030L0	30-pin Connector
M	YW1B1B082B	Mounting Parts	CN17	FCN795P040L0	40-pin Connector
M	YW7G1A824A	Label	CN18	YWF794P030LA	30-pin Connector
M	YWA2QA0134A4	Electrode	CN19	YWF795P024LA	24-pin Connector
M	YWPT2012	Spacer	CN20	YWF795P014LA	14-pin Connector
M	YWV2PA0645A4	Insulator	CN25	FCN795P020L0	20-pin Connector
M	YWPUG3630	Heat Sink	CN27	YWF794P030LA	30-pin Connector
			CN30	YWF794P026LA	26-pin Connector
			CN40	K1FB180B0002	80-pin Connector
			CN41	YWF794P040LA	40-pin Connector
<b>POWER SWITCH BOARD</b>			<b>REAR BOARD - 1</b>		
PCB9 (RTL)	YWJ1000PKY3A	Printed Circuit Board Ass'y	PCB12 (RTL)	YWJ1000EKZAA	Printed Circuit Board Ass'y
SW1	△ YWSDFA33B1	Push Switch	R1-11	ERJ6GEYJ750	Carbon 75 ohms 1/16W
CN1	YWB4P7SVH	7-pin Connector	C1-37	GRM0CH220J5H	Ceramic 22 pF
			C38	ECST1AX106ZR	Tantalum 10 µF 10V
			C39-43	GRM0CH220J5H	Ceramic 22 pF
			C44	ECST1ED106ZR	Electrolytic 10 µF 25V
			C45-48	GRM0CH220J5H	Ceramic 22 pF
			L1-37	YWBML21A05PT	Coil
			L38	ELJFA1R0KF	Coil
			L39,40	YWBML21A401S	Coil
<b>LED BOARD</b>			L41	ELJFA1R0KF	Coil
PCB10 (RTL)	YWJ100APKY2A	Printed Circuit Board Ass'y	L42-48	YWBML21A05PT	Coil
D1	YWSLR56VC3F	Light Emitting Diode	CN5-7	YWJES9S5A3G	9-pin Connector
D2	YWSLR56MC3F	Special Diode	CN8-11	YWT6819AABB	Connector
CN1,2	YW530150210	2-pin Connector	CN12	YWD4183J200	Connector
M	YWLFI0	Spacer			

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION				
CN13	YWF795P024LA	24-pin Connector	ACCESSORY PARTS / PACKAGING PARTS						
CN14, 17	YWP2283	Connector							
CN18	FCN795P030L0	30-pin Connector							
CN19	YWD4183J200	Connector							
CN20	YWF795P014LA	14-pin Connector							
CN21,22	YWP2283	Connector							
CN23	YWD4183J200	Connector							
CN24	YWP2284	Connector							
CN25	YWD4183J200	Connector							
CN26	YWP2285	Connector							
CN30	YWF795P026LA	26-pin Connector	E103	△	YWKP610KS31A	AC Power Cord			
REAR BOARD - 3			BI101		YWCAJ0G9P	9-pin Connector Cable			
			BI102		YWCAKB6P	9-pin Extension Cable			
			M100		YW0C1A028BB	Packing Ass'y			
			M101		YWT80X90X1	Bag			
			M105		XZB26X40C05	Packing Parts			
			M108	△	YW7J1A198A	Operating Instructions			
			M110		YW0C1A027BB	Packing Ass'y			
			PCB13 (RTL)	Y2000PKC1A	Printed Circuit Board Ass'y				
			R100,103	ERJ6GEY0R00	Carbon 0 ohm 1/16W				
			R104,107	ERJ6GEY0R00	Carbon 0 ohm 1/16W				
R108,111	ERJ6GEY0R00	Carbon 0 ohm 1/16W							
R112,115	ERJ6GEY0R00	Carbon 0 ohm 1/16W							
R117,118	ERJ6GEY0R00	Carbon 0 ohm 1/16W							
R121,122	ERJ6GEY0R00	Carbon 0 ohm 1/16W							
R125,126	ERJ6GEY0R00	Carbon 0 ohm 1/16W							
R129,130	ERJ6GEY0R00	Carbon 0 ohm 1/16W							
C1-8	GRM0CH220J5H	Ceramic 22 pF							
L100-103	YWBLM21A05PT	Coil							
L104-111	YWBLM21A401S	Special Coil							
L112-115	YWBLM21A05PT	Coil							
P19	YWF795P024LA	24-pin Connector							
P100	YW16PRN3SEA	Connector							
P101	YWHA16RN3PEA	Connector							
M	YWV2SA2789A3	Mounting Angle							
CPU BOARD									
PCB14 (RTL)	P5TX-LA	Printed Circuit Board Ass'y							
MEMORY BOARD									
PCB15 (RTL)	YWEYQ51A001	Printed Circuit Board Ass'y							
JOGPAD WJ-JP1000									
Referring to the Service Manual of the WJ-MX1000K .									



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
<b>SDI BOARD AY-PB2002E</b>					
<b>MISCELLANEOUS</b>					
M 1	1K1A105A	Shield Parts	R6	ERJ3GEYJ152	Carbon 1.5K ohms 1/16W
M 2	A-1046-5	Handle	R9-12	ERJ3GEYJ181	Carbon 180 ohms 1/16W
M 4	1C1A110A	Shield Parts	R13-18	ERJ3GEYJ151	Carbon 150 ohms 1/16W
M 5	YW1C1A083A	Shield Parts	R19	ERJ3GEYJ472	Carbon 4.7K ohms 1/16W
M 6	YW5H1A044A	Insulator	R20,21	EXBV8V101J	Block Resistor 100 ohms
M 7	YW1C1A078A	Shield Parts	R22-24	ERJ3GEYJ101	Carbon 100 ohms 1/16W
M 8	YW1C1A085A	Shield Parts	R25	ERJ3GEY0R00	Carbon 0 ohm 1/16W
M10 	YW7Z1A040A	Main Label	R27-29	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R30,31	EXBV8V101J	Block Resistor 100 ohms
			R32	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R38,44	ERJ3GEY0R00	Carbon 0 ohm 1/16W
			R52-55	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R56-59	EXBV8V101J	Block Resistor 100 ohms
			R60,61	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R62	EXBV8V101J	Block Resistor 100 ohms
			R63	ERJ3GEYJ680	Carbon 68 ohms 1/16W
			R64	ERJ3GEYJ151	Carbon 150 ohms 1/16W
			R68	YWR0816Q750D	Metal 57ohms 1/16W
			R71	ERJ3GEYJ680	Carbon 68 ohms 1/16W
			R72	ERJ4JEY111	Carbon 110 ohms 1/16W
			R73	ERJ3GEYJ820	Carbon 82 ohms 1/16W
			R74	ERJ3GEYJ392	Carbon 3.9K ohms 1/16W
			R75	ERJ3GEYJ105	Carbon 1M ohms 1/16W
			R76	YWR0816Q750D	Metal 57ohms 1/16W
			R78,79	EXBV8V101J	Block Resistor 100 ohms
			R81	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R82	ERJ3GEY0R00	Carbon 0 ohm 1/16W
			R83	ERJ3GEYJ272	Carbon 2.7K ohms 1/16W
			R85,87	ERJ3GEY0R00	Carbon 0 ohms 1/16W
			R91,92	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R93	ERJ3GEYJ560	Carbon 56 ohms 1/16W
			R109-112	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R114,115	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R116	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R127,131	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R300-305	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R310	ERJ3GEYJ510	Carbon 51 ohms 1/16W
			R312,313	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R314	ERJ3GEYJ102	Carbon 1K ohms 1/16W
			R320,322	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R325,327	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R329,331	ERJ3GEYJ103	Carbon 10K ohms 1/16W
			R335,381	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R405	ERJ3GEYJ101	Carbon 100 ohms 1/16W
			R500	ERJ3GEY0R00	Carbon 0 ohm 1/16W
			R700,701	DIBB11000001	Metal
			R805	ERJ3GEYJ473	Carbon 47K ohms 1/16W
			VR7	EVM1DSW30B14	Variable Resistor 10K ohms
			C1,2	YGM1C470J1HT	Ceramic 47 pF
			C3,4	YGM1B104K1CT	Ceramic 0.1 μF
<b>MAIN BOARD</b>					
PCB1 (RTL)	Y2002EKB1A	Printed Circuit Board Ass'y			
U1	YGS9005	IC			
U2	C1AB00000316	IC			
U3	UG10280A	IC			
U4	C3HBCC000018	IC			
U5	YWUL1A503B	IC			
U6	YGS9007	IC			
U7	GS9022CPJ	IC			
U8	YWNJM7805FA	IC			
U9	C0CBBDG00001	IC			
U10	YWNJM7805FA	IC			
U11	C0CBBDG00001	IC			
U101	G0ZZ00001516	IC			
U102	YWM51953BFP	IC			
U103	YCSB412CS	IC			
U105	C5AB00000006	IC			
U106	YWSC7S32FER	IC			
U300	C0JBAB000057	IC			
U301	C0JBAA000031	IC			
U302	G0JBAR000047	IC			
D1	MA141K	Diode			
R1,2	ERJ3GEYF750	Carbon 75 ohms 1/16W			
R3	ERJ3GEYJ121	Carbon 120 ohms 1/16W			
R4	ERJ3GEYJ102	Carbon 1K ohms 1/16W			
R5	ERJ3GEYJ562	Carbon 5.6K ohms 1/16W			

REF. NO.	PART NO.	DESCRIPTION		REF. NO.	PART NO.	DESCRIPTION	
C5	EEVHA1A101P	Electrolytic	100 pF	L1,2	G0ZZ00001516	Coil	
C6,7	YGM1B104K1CT	Ceramic	0.1 µF	L3-7	ELJFA100KF	Coil	
C8	YGM1C060D1HT	Ceramic	6 pF	L8,9	YWCD75100KC	Coil	
C9	YGM1B103K1HT	Ceramic	0.01 µF	L10,11	ELJFA100KF	Coil	
C10	YGM1B104K1CT	Ceramic	0.1 µF	L101,103	ELJFA100KF	Coil	
C11	YGM1F105Z1AT	Ceramic	1 µF	T700,701	G5B1A0000004	Transformer	
C12-14	YGM1B104K1CT	Ceramic	0.1 µF	X101	H0J160500005	Crystal Oscillator	
C15	ECST1AC226ZR	Tantalum	22 µF 10V	P1	FCN215Q080G0	80-pin Connector	
C17	YGM1B104K1CT	Ceramic	0.1 µF	P3	K4BK10E00001	Terminal	
C18	YGM1F105Z1AT	Ceramic	1 µF	P700,701	K1KA20A00153	3-pin Connector	
C19-21	YGM1B104K1CT	Ceramic	0.1 µF	P702,703	K1KA20A00152	20-pin Connector	
C22	ECST1AC226ZR	Tantalum	22 µF 10V	TP1,2	YWRCT2125TPV	Terminal	
C23	F1K1E1040003	Ceramic	0.1 µF	J3-5	K1QBB1BB0003	Coax Connector	
C24	ECST1AC226ZR	Tantalum	22 µF 10V				
C25	F1K1E1040003	Ceramic	0.1 µF				
C26	ECST1AC226ZR	Tantalum	22 µF 10V				
C27,28	YGM1B104K1CT	Ceramic	0.1 µF				
C29	ECST1AC226ZR	Tantalum	22 µF 10V				
C30-34	YGM1B104K1CT	Ceramic	0.1 µF				
C35	ECST1DC106ZR	Electrolytic	10 µF 20V				
C36	ECST1AC226ZR	Tantalum	22 µF 10V				
C59	YGM1B104K1CT	Ceramic	0.1 µF				
C62	YGM1C020C1HT	Ceramic	2 pF				
C63	YGM1F105Z1AT	Ceramic	1 µF				
C67	F1K1E10400003	Ceramic	0.1 µF				
C68,69	YGM1B104K1CT	Ceramic	0.1 µF				
C70	ECST1AC226ZR	Tantalum	22 µF 10V				
C71	YGM1C100D1HT	Ceramic	10 pF				
C72	YGM1F105Z1AT	Ceramic	1 µF				
C74-76	YGM1B104K1CT	Ceramic	0.1 µF				
C78	YGM1B104K1CT	Ceramic	0.1 µF				
C79	YGM1F105Z1AT	Ceramic	1 µF				
C80,81	YGM1B104K1CT	Ceramic	0.1 µF				
C101	F1K1E10400003	Ceramic	0.1 µF				
C102	ECST1CY105ZR	Tantalum	1 µF				
C104	ECST1AC226ZR	Tantalum	22 µF 10V				
C109	F1K1E10400003	Ceramic	0.1 µF				
C108	ECST1AC226ZR	Tantalum	22 µF 10V				
C110	F1K1E10400003	Ceramic	0.1 µF				
C126	GRM9CH270J5H	Ceramic	27 pF				
C127	YGM1C220J1HT	Ceramic	22 pF				
C301	ECST1AC336ZR	Tantalum	33 µF 10V				
C302	YGM1B473K1CT	Ceramic	0.47 µF				
C305-307	YGM1B104K1CT	Ceramic	0.1 µF				
C350,360	YGM1B104K1CT	Ceramic	0.1 µF				
C361	YGM1B104K1CT	Ceramic	0.1 µF				
C360	YGM1B104K1CT	Ceramic	0.1 µF				
C363	YGM1B104K1CT	Ceramic	0.1 µF				
C700,701	YGM1F105Z1AT	Ceramic	1 µF				
C800	GRM9CH270J5H	Ceramic	27 pF				
				<b>AUDIO - OUT BOARD</b>			
				PCB2	Y2002EKC1A	Printed Circuit Board Ass'y	
				U107	C0JBAC000028	IC	
				U108	C0JBAF000045	IC	
				U109	YCS8402A-CS	IC	
				R101,102	ERJ3GEYJ101	Carbon	100 ohms 1/16W
				R104,108	ERJ3GEYJ101	Carbon	100 ohms 1/16W
				R113	ERJ3GEYJ101	Carbon	100 ohms 1/16W
				R351,353	ERJ3GEYJ103	Carbon	10K ohms 1/16W
				R354,356	ERJ3GEYJ103	Carbon	10K ohms 1/16W
				R360-362	ERJ3GEYJ103	Carbon	10K ohms 1/16W
				R364,370	ERJ3GEYJ103	Carbon	10K ohms 1/16W
				R371,374	ERJ3GEYJ103	Carbon	10K ohms 1/16W
				R375,377	ERJ3GEYJ103	Carbon	10K ohms 1/16W
				R380	ERJ3GEYJ103	Carbon	10K ohms 1/16W
				R382	ERJ3GEYJ101	Carbon	100 ohms 1/16W
				C105,106	F1K1E1040003	Ceramic	0.1µF
				C111	ECST1AC226ZR	Tantalum	22 µF 10V
				L102,301	ELJFA100KF	Coil	
				P704,705	K1KB20A00057	20-pin Connector	
				<b>ACCESSORY PARTS / PACKAGING PARTS</b>			
				M21	△ YW7J1A233A	Operating Instructions	
				M22	PE26X40C05A	Bag	
				M23	YWSKY30X40	Bag	
				M24	YW0C1A029A	Packing Ass'y	
				M25	YWV8FA0140A4	Packaging Label	
				M26	YWV8FA0070A4	Label	

